

- 37105\_at Cluster Incl. M16117:Human cathepsin G mRNA, complete cds /cds=(8,775)  
 37122\_at Cluster Incl. AB005293:Homo sapiens mRNA for perilipin, complete cds /c  
 40657\_r\_at Cluster Incl. H15814:y128b07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40658\_r\_at Cluster Incl. D45371:Human apM1 mRNA for GS3109 (novel adipose specif  
 5 41385\_at Cluster Incl. AB023204:Homo sapiens mRNA for KIAA0987 protein, partial  
 35730\_at Cluster Incl. X03350:Human mRNA for alcohol dehydrogenase beta-1-subuni  
 38326\_at Cluster Incl. M69199:Human G0S2 protein gene, complete cds /cds=(160,47  
 41209\_at Cluster Incl. M15856:Human lipoprotein lipase mRNA, complete cds /cds=U  
 33902\_at Cluster Incl. L34041:Homo sapiens L-glycerol-3-phosphate-NAD oxidoreduc  
 10 38430\_at Cluster Incl. AA128249:z129d09.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 40282\_s\_at Cluster Incl. M84526:Human adipsin/complement factor D mRNA, complete  
 32542\_at Cluster Incl. AF063002:Homo sapiens LIM protein SLIMMER mRNA, complete  
 32552\_at Cluster Incl. X00129:Human mRNA for retinol binding protein (RBP) /cds=

#### 15 METAGENE 119 :

- 33987\_at Cluster Incl. M36340:Human ADP-ribosylation factor 1 (ARF1) mRNA, compl  
 34902\_at Cluster Incl. AB007961:Homo sapiens mRNA, chromosome 1 specific transcr  
 40032\_at Cluster Incl. D50923:Human mRNA for KIAA0133 gene, complete cds /cds=(1  
 20 35695\_at Cluster Incl. U67615:Human beige protein homolog (chs) mRNA, complete c

#### METAGENE 120 :

- 36413\_at Cluster Incl. Z82200:Human DNA sequence from clone 333E23 on chromosome  
 25 40941\_at Cluster Incl. W27026:19d10 Homo sapiens cDNA /gb=W27026 /gi=1306398 /ug  
 32550\_r\_at Cluster Incl. Y11525:H.sapiens mRNA for CCAAT/enhancer binding protei  
 1056\_s\_at M90391 /FEATURE= /DEFINITION=HUMCHEMA Homo sapiens putative IL-16  
 prot

#### 30 METAGENE 121 :

- 36423\_at Cluster Incl. W47047:zc38g10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 39947\_at Cluster Incl. AJ006352:Homo sapiens mRNA for ephrin-A4 protein, membran  
 41709\_at Cluster Incl. AF034803:Homo sapiens liprin-beta2 mRNA, partial cds /cds  
 35 33292\_at Cluster Incl. AL008583:dJ327J16.1 (human ortholog of mouse outer arm Dy  
 33753\_at Cluster Incl. AB014566:Homo sapiens mRNA for KIAA0666 protein, partial  
 40866\_at Cluster Incl. AJ001258:Homo sapiens mRNA for NIPSNAP1 protein /cds=(254  
 33883\_at Cluster Incl. AB001466:Homo sapiens mRNA for Efs1, complete cds /cds=(6  
 38754\_at Cluster Incl. AI557295:PT2.1\_16\_D02.r Homo sapiens cDNA, 3 end /clone\_

## METAGENE 122 :

- 34460\_at Cluster Incl. AB014512:Homo sapiens mRNA for KIAA0612 protein, partial  
**5** 32628\_at Cluster Incl. D28118:Human mRNA for DB1, complete cds /cds=(41,1591) /g  
 40075\_at Cluster Incl. M55047:Human synaptotagmin mRNA, complete cds /cds=(27,12  
 35294\_at Cluster Incl. M25077:Human SS-A/Ro ribonucleoprotein autoantigen 60 kd  
 35295\_g\_at Cluster Incl. M25077:Human SS-A/Ro ribonucleoprotein autoantigen 60 k  
 36209\_at Cluster Incl. S78771:NAT=CpG island-associated gene [human, mRNA, 1741  
**10** 40215\_at Cluster Incl. D50840:Homo sapiens mRNA for ceramide glucosyltransferase  
 1801\_at U76638 /FEATURE= /DEFINITION=HSU76638 Human BRCA1-associated RING domain  
 350\_at D28118 /FEATURE= /DEFINITION=HUMDB1 Human mRNA for DB1, complete cds

## METAGENE 123 :

- 15**  
 31692\_at Cluster Incl. M59830:Human MHC class III HSP70-2 gene (HLA), complete c  
 34181\_at Cluster Incl. X55330:H.sapiens mRNA for aspartylglucosaminidase /cds=(1  
 38252\_s\_at Cluster Incl. U84007:Human glycogen debranching enzyme isoform 1 (AGL  
 38253\_at Cluster Incl. U84011:Human glycogen debranching enzyme isoform 6 (AGL)  
**20** 37681\_i\_at Cluster Incl. AB018266:Homo sapiens mRNA for KIAA0723 protein, comple  
 1104\_s\_at M11717 /FEATURE=mRNA /DEFINITION=HUMHSP70D Human heat shock  
 protein (h

## METAGENE 124 :

- 25**  
 35132\_at Cluster Incl. X98411:H.sapiens mRNA for myosin-IE /cds=(0,2348) /gb=X98  
 33569\_at Cluster Incl. D50532:Homo sapiens mRNA for macrophage lectin 2, complet  
 37100\_at Cluster Incl. AJ008112:Homo sapiens mRNA for C17orf1 protein /cds=(39,1  
 41404\_at Cluster Incl. AJ010119:Homo sapiens mRNA for Ribosomal protein kinase B  
**30** 32035\_at Cluster Incl. M16942:Human MHC class II HLA-DRw53-associated glycoprote  
 33261\_at Cluster Incl. M16941:Human MHC class II HLA-DR7-associated glycoprotein  
 34670\_at Cluster Incl. U60899:Human lysosomal alpha-mannosidase (manB) gene /cds  
 36879\_at Cluster Incl. M63193:Human platelet-derived endothelial cell growth fac  
 36902\_at Cluster Incl. X61587:H.sapiens rhoG mRNA for GTPase /cds=(129,704) /gb=  
**35** 37967\_at Cluster Incl. AF000424:Homo sapiens LST1 mRNA, cLST1/C splice variant,  
 38276\_at Cluster Incl. U91616:Human I kappa B epsilon (IkBe) mRNA, complete cds  
 39728\_at Cluster Incl. J03909:Human gamma-interferon-inducible protein (IP-30) m  
 41168\_at Cluster Incl. AF029750:Homo sapiens tapasin (NGS-17) mRNA, complete cds  
 41734\_at Cluster Incl. AB020677:Homo sapiens mRNA for KIAA0870 protein, complete



32773\_at Cluster Incl. AA868382:ak41e04.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 35807\_at Cluster Incl. M21186:Human neutrophil cytochrome b light chain p22 phag  
 39119\_s\_at Cluster Incl. AA631972:fmfc39 Homo sapiens cDNA /clone=CR7-5 /gb=AA63  
 1665\_s\_at Endothelial Cell Growth Factor 1

- 5** 982\_at X74795 /FEATURE=cds /DEFINITION=HSP1CDC46 H.sapiens P1-Cdc46 mRNA  
 794\_at X62055 /FEATURE=cds /DEFINITION=HSPTP1C H.sapiens PTP1C mRNA for protein-  
 766\_at AB006782 /FEATURE= /DEFINITION=AB006782 Homo sapiens mRNA for galectin-9  
 544\_at S76638 /FEATURE= /DEFINITION=S76638 p50-NF-kappa B homolog [human, periph  
 384\_at X71874 /FEATURE=cds#1 /DEFINITION=HSPROSCHY H.sapiens genes for proteasom

**10**

METAGENE 125 :

36703\_at Cluster Incl. U86358:Human chemokine (TECK) mRNA, complete cds /cds=(0,  
 594\_s\_at M55265 /FEATURE=mRNA /DEFINITION=HUMACKII Human casein kinase II  
**15** alpha

METAGENE 126 :

- 20** 38870\_at Cluster Incl. U97145:Homo sapiens RET ligand 2 (RETL2) mRNA, complete c  
 38113\_at Cluster Incl. AB018339:Homo sapiens mRNA for KIAA0796 protein, partial

METAGENE 127 :

- 25** 32025\_at Cluster Incl. Y11306:Homo sapiens mRNA for hTCF-4 /cds=(307,2097) /gb=Y  
 39730\_at Cluster Incl. X16416:Human c-abl mRNA encoding p150 protein /cds=(147,3  
 1635\_at U07563 /FEATURE=Poly\_A\_Site#1 /DEFINITION=HSABLGR3 Human proto-oncogene

METAGENE 128 :

- 30** 34596\_at Cluster Incl. M73628:Homo sapiens kappa-casein mRNA, complete cds /cds=  
 33751\_at Cluster Incl. AL109702:Homo sapiens mRNA full length insert cDNA clone  
 40444\_s\_at Cluster Incl. AB002382:Human mRNA for KIAA0384 gene, complete cds /cd  
 2034\_s\_at U10906 /FEATURE= /DEFINITION=HSU10906 Human cyclin-dependent kinase  
 in

**35**

METAGENE 129 :

40862\_i\_at Cluster Incl. X15334:Human gene for creatine kinase B (EC 2.7.3.2) /c  
 40863\_r\_at Cluster Incl. X15334:Human gene for creatine kinase B (EC 2.7.3.2) /c

## METAGENE 130 :

- 31620\_at Cluster Incl. AF033579:untitled /cds=(0,633) /gb=AF033579 /gi=3213224 /  
**5** 32146\_s\_at Cluster Incl. L07261:Human alpha adducin mRNA, partial cds including

## METAGENE 131 :

- 36398\_at Cluster Incl. W28729:50h2 Homo sapiens cDNA /gb=W28729 /gi=1308677 /ug=  
**10** 40302\_at Cluster Incl. AL031186:bK984G1.1 (PUTATIVE C-terminal end of a novel pr  
 33785\_at Cluster Incl. AB005298:Homo sapiens BAI 2 mRNA, complete cds /cds=(378,  
 38315\_at Cluster Incl. AB015228:Homo sapiens mRNA for RALDH2-T, complete cds /cd  
 1542\_at X04571 /FEATURE=cds /DEFINITION=HSEGFRR Human mRNA for kidney epidermal

**15** METAGENE 132 :

- 32963\_s\_at Cluster Incl. W27549:32d11 Homo sapiens cDNA /gb=W27549 /gi=1307353 /  
 36308\_at Cluster Incl. D76435:Homo sapiens mRNA for Zic protein, complete cds /c  
 38869\_at Cluster Incl. AB028992:Homo sapiens mRNA for KIAA1069 protein, partial  
**20** 39579\_at Cluster Incl. U89916:Homo sapiens claudin-10 (CLDN10) mRNA, complete cd  
 40030\_at Cluster Incl. Y15801:Homo sapiens mRNA for PRKY protein /cds=UNKNOWN  
 /g  
 41470\_at Cluster Incl. AF027208:Homo sapiens AC133 antigen mRNA, complete cds /c  
 41656\_at Cluster Incl. AF043325:Homo sapiens N-myristoyltransferase 2 mRNA, comp  
**25** 35674\_at Cluster Incl. AB023211:Homo sapiens mRNA for KIAA0994 protein, partial  
 35694\_at Cluster Incl. AB014587:Homo sapiens mRNA for KIAA0687 protein, partial  
 36821\_at Cluster Incl. AL050367:Homo sapiens mRNA; cDNA DKFZp564A026 (from  
 clone  
 39692\_at Cluster Incl. AL080209:Homo sapiens mRNA; cDNA DKFZp586F2423 (from  
**30** clon  
 32168\_s\_at Cluster Incl. U85267:Homo sapiens down syndrome candidate region 1 (D  
 32827\_at Cluster Incl. AI365215:qz41a06.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 33396\_at Cluster Incl. U12472:Human glutathione S-transferase (GST phi) gene, co  
 33819\_at Cluster Incl. X13794:H.sapiens lactate dehydrogenase B gene exon 1 and  
**35** 34296\_at Cluster Incl. AF041210:Homo sapiens midline 1 fetal kidney isoform 3 (M  
 35362\_at Cluster Incl. AB018342:Homo sapiens mRNA for KIAA0799 protein, partial  
 36635\_at Cluster Incl. AB023173:Homo sapiens mRNA for KIAA0956 protein, partial  
 36664\_at Cluster Incl. M60091:Homo sapiens galactose-1-phosphate uridyl transfer  
 38098\_at Cluster Incl. D80010:Human mRNA for KIAA0188 gene, partial cds /cds=(0,

- 39903\_at Cluster Incl. AB012955:Homo sapiens mRNA for KIP2, complete cds /cds=(6  
 41355\_at Cluster Incl. N95229:zb53g09.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-  
 1488\_at L77886 /FEATURE= /DEFINITION=HUMPTPC Human protein tyrosine phosphatase  
 1452\_at U24576 /FEATURE= /DEFINITION=U24576 Homo sapiens breast tumor autoantige  
 5 829\_s\_at U21689 /FEATURE=cds /DEFINITION=HSU21689 Human glutathione S-  
 transferas

## METAGENE 133 :

- 10 41700\_at Cluster Incl. M62424:Human thrombin receptor mRNA, complete cds /cds=(2  
 37279\_at Cluster Incl. U10550:Human Gem GTPase (gem) mRNA, complete cds /cds=(21  
 38125\_at Cluster Incl. M14083:Human beta-migrating plasminogen activator inhibit  
 38767\_at Cluster Incl. AF041037:Homo sapiens novel antagonist of FGF signaling (  
 2094\_s\_at K00650 /FEATURE=cds /DEFINITION=HUMFOS Human fos proto-oncogene (c-  
 15 fos  
 2062\_at L19182 /FEATURE= /DEFINITION=HUMMAC25X Human MAC25 mRNA, complete  
 cds  
 1911\_s\_at M60974 /FEATURE= /DEFINITION=HUMGADD45 Human growth arrest and  
 DNA-dam  
 20 1005\_at X68277 /FEATURE=cds /DEFINITION=HSCL100 H.sapiens CL 100 mRNA for protei  
 735\_s\_at Protein Kinase Ht31, Camp-Dependent

## METAGENE 134 :

- 25 31320\_at Cluster Incl. U18548:Human GPR12 G protein coupled-receptor gene, compl  
 31393\_r\_at Cluster Incl. AB011076:Homo sapiens mRNA for UTF1, complete cds /cds=  
 31604\_at Cluster Incl. AJ009849:Homo sapiens GNAS1 gene encoding NESP55 /cds=(38  
 31700\_at Cluster Incl. AF027957:Homo sapiens G protein-coupled receptor (GPR35)  
 32401\_at Cluster Incl. U78110:Human prepro-neurturin mRNA, complete cds /cds=(0,  
 30 32923\_r\_at Cluster Incl. M58378:Human synapsin I (SYN1) gene /cds=(0,2117) /gb=M  
 33510\_s\_at Cluster Incl. U31216:Human metabotropic glutamate receptor 1 beta (mG  
 34463\_at Cluster Incl. M55983:Human DNase I mRNA, complete cds /cds=(159,1007) /  
 34469\_at Cluster Incl. X84746:H.sapiens Histo-blood group AB0 gene, exon 1 /cds=  
 34508\_r\_at Cluster Incl. AI971726:wr07a08.x1 Homo sapiens cDNA, 3' end /clone=IM  
 35 34907\_at Cluster Incl. AB014541:Homo sapiens mRNA for KIAA0641 protein, complete  
 35446\_at Cluster Incl. AA767013:oa42a08.s1 Homo sapiens cDNA /clone=IMAGE-130760  
 35923\_at Cluster Incl. D13305:Human mRNA for brain cholecystokinin receptor /cds  
 36237\_at Cluster Incl. AB009698:Homo sapiens mRNA for hOAT1-2, complete cds /cds  
 37475\_at Cluster Incl. AC004144:Homo sapiens chromosome 19, overlapping cosmids

- 37790\_at Cluster Incl. AF068006:Homo sapiens haemopoietic progenitor homeobox HP
- 38215\_at Cluster Incl. U84894:Human 239AB mRNA, complete cds /cds=(114,1028) /gb
- 38865\_at Cluster Incl. AJ011736:Homo sapiens mRNA for growth factor receptor bin
- 39645\_r\_at Cluster Incl. AF033105:Homo sapiens X-arrestin mRNA, complete cds /cd
- 5 39667\_at Cluster Incl. AF083898:Homo sapiens RNA-binding protein Nova-2 mRNA, co
- 41382\_at Cluster Incl. AJ000342:Homo sapiens mRNA for DMBT1 6 kb transcript vari
- 32100\_r\_at Cluster Incl. U06088:Human N-acetylgalactosamine 6-sulphatase (GALNS)
- 32642\_at Cluster Incl. AF026547:Homo sapiens neurocan (CSPG3) mRNA, complete cds
- 35997\_g\_at Cluster Incl. X98261:H.sapiens mRNA for M-phase phosphoprotein, mpp5
- 10 38309\_r\_at Cluster Incl. AA805659:nz41b04.s1 Homo sapiens cDNA /clone=IMAGE-1290
- 41181\_r\_at Cluster Incl. U49785:Human D-dopachrome tautomerase mRNA, complete cd
- 33935\_at Cluster Incl. AL035305:H.sapiens gene from PAC 102G20 /cds=(117,803) /g
- 37323\_r\_at Cluster Incl. X82460:H.sapiens mRNA for 15-hydroxy prostaglandin dehy
- 39198\_s\_at Cluster Incl. W27763:37c8 Homo sapiens cDNA /gb=W27763 /gi=1307711 /u
- 15 39872\_at Cluster Incl. AL031588:dJ1163J1.3 (novel protein similar to mouse B99)
- 39920\_r\_at Cluster Incl. AF095154:Homo sapiens C1q-related factor mRNA, complete
- 40539\_at Cluster Incl. U42391:Human myosin-IXb mRNA, complete cds /cds=(0,6068)
- 41347\_at Cluster Incl. AI814659:wj75g09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 2090\_i\_at H12458 /FEATURE= /DEFINITION=H12458 yj12d03.s1 Soares placenta Nb2HP
- 20 H
- 2032\_s\_at U07375 /FEATURE=cds /DEFINITION=HSU07375 Human integrin alpha v gene,
- 1944\_f\_at AF001359 /FEATURE= /DEFINITION=AF001359 Homo sapiens DNA mismatch
- repa
- 1663\_at Retinoic Acid Receptor, Gamma 2
- 25 1332\_f\_at V00520 /FEATURE=mRNA /DEFINITION=HSGROW2 Human germ line gene
- for grow
- 887\_at M62302 /FEATURE= /DEFINITION=HUMGDF1 Human growth/differentiation factor
- 888\_s\_at M62302 /FEATURE=cds#1 /DEFINITION=HUMGDF1 Human
- growth/differentiation
- 30 778\_s\_at D16827 /FEATURE=cds /DEFINITION=HUMSSTR5 Human gene for fifth
- somatosta
- 729\_i\_at Mucin 3, Intestinal
- 694\_at Mucin 5b, Tracheobronchial
- 477\_at U51127 /FEATURE= /DEFINITION=HSU51127 Human interferon regulatory factor
- 35 179\_at U38980 /FEATURE= /DEFINITION=U38980 Human PMS2 related (hPMSR6) mRNA, co
- 166\_at U48405 /FEATURE=cds /DEFINITION=HSU48405 Human G protein coupled receptor

METAGENE 135 :

	33944_at	Cluster Incl. S60099:APPH=amyloid precursor protein homolog [human, pla
	37485_at	Cluster Incl. D88308:Homo sapiens mRNA for very-long-chain acyl-CoA syn
	41455_at	Cluster Incl. AB018255:Homo sapiens mRNA for KIAA0712 protein, complete
	37221_at	Cluster Incl. M31158:Human cAMP-dependent protein kinase subunit RII-be
5	37943_at	Cluster Incl. AB002319:Human mRNA for KIAA0321 gene, partial cds /cds=(
	34391_at	Cluster Incl. Y08915:H.sapiens mRNA for alpha 4 protein /cds=(8,1027) /
	36625_at	Cluster Incl. L40401:Homo sapiens (clone zap128) mRNA, 3 end of cds /c
	2011_s_at	U34584 /FEATURE= /DEFINITION=HSU34584 Human Bcl-2 interacting killer (
	1212_at	U86529 /FEATURE= /DEFINITION=HSU86529 Human glutathione transferase Zeta
10	METAGENE 136 :	
	41083_at	Cluster Incl. AC006276:Homo sapiens chromosome 19, cosmid R28379 /cds=(
	41084_at	Cluster Incl. AI659108:tu08c09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
15	41858_at	Cluster Incl. AL049261:Homo sapiens mRNA; cDNA DKFZp564E053 (from
	clone	
	34707_at	Cluster Incl. U91543:Homo sapiens zinc-finger helicase (hZFH) mRNA, com
	34724_at	Cluster Incl. AI670100:wc1lg10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37963_at	Cluster Incl. X52151:Homo sapiens arylsulphatase A mRNA, complete cds /
20	38966_at	Cluster Incl. AF038958:Homo sapiens synaptic glycoprotein SC2 spliced v
	38996_at	Cluster Incl. U15655:Human ets domain protein ERF mRNA, complete cds /c
	39050_at	Cluster Incl. AF026029:Homo sapiens poly(A) binding protein II (PABP2)
	39082_at	Cluster Incl. Y00097:Human mRNA for protein p68 /cds=(100,2121) /gb=Y00
	32761_at	Cluster Incl. AB002322:Human mRNA for KIAA0324 gene, partial cds /cds=(
25	33931_at	Cluster Incl. X71973:H.sapiens GPx-4 mRNA for phospholipid hydroperoxid
	35292_at	Cluster Incl. Z37166:H.sapiens BAT1 mRNA for nuclear RNA helicase (DEAD
	35840_at	Cluster Incl. AL050060:Homo sapiens mRNA; cDNA DKFZp566H073 (from
	clone	
	36158_at	Cluster Incl. AF086947:untitled /cds=(334,4119) /gb=AF086947 /gi=413912
30	36161_at	Cluster Incl. M34175:Human beta adaptin mRNA, complete cds /cds=(177,29
	36200_at	Cluster Incl. X69838:H.sapiens mRNA for G9a /cds=(47,3052) /gb=X69838 /
	36208_at	Cluster Incl. D42040:Human mRNA for KIAA9001 gene, complete cds /cds=(1
	39112_at	Cluster Incl. Y07661:H.sapiens USF2 gene /cds=(0,1040) /gb=Y07661 /gi=1
	39180_at	Cluster Incl. S62140:TLS=translocated in liposarcoma [human, mRNA, 1824
35	41344_s_at	Cluster Incl. M96684:H.sapiens Pur (pur-alpha) mRNA, complete cds /cd
	1997_s_at	U19599 /FEATURE= /DEFINITION=HSU19599 Human (BAX delta) mRNA,
	complete	
	447_g_at	U89896 /FEATURE= /DEFINITION=HSU89896 Homo sapiens casein kinase I
	gamm	

319\_g\_at D64142 /FEATURE=mRNA /DEFINITION=D64142 Human mRNA for histone H1x, com

METAGENE 137 :

5

35721\_at Cluster Incl. M38180:Human 3-beta-hydroxysteroid dehydrogenase/delta-5-  
34314\_at Cluster Incl. X59543:Human mRNA for M1 subunit of ribonucleotide reduct  
38782\_at Cluster Incl. M95809:Human basic transcription factor 62kD subunit (BTF  
147\_at U82130 /FEATURE= /DEFINITION=HSU82130 Human tumor susceptibility protein (

10

METAGENE 138 :

35878\_at Cluster Incl. AB023141:Homo sapiens mRNA for KIAA0924 protein, complete  
37141\_at Cluster Incl. U39840:Human hepatocyte nuclear factor-3 alpha (HNF-3 alp  
15 41453\_at Cluster Incl. U49089:Human neuroendocrine-dlg (NE-dlg) mRNA, complete c  
32084\_at Cluster Incl. AF057164:Homo sapiens organic cation transporter OCTN2 (O  
33730\_at Cluster Incl. AF095448:Homo sapiens putative G protein-coupled receptor  
33807\_at Cluster Incl. AB023186:Homo sapiens mRNA for KIAA0969 protein, complete  
34712\_at Cluster Incl. AB023227:Homo sapiens mRNA for KIAA1010 protein, partial  
20 35214\_at Cluster Incl. AF061016:Homo sapiens UDP-glucose dehydrogenase (UGDH) mR  
38630\_at Cluster Incl. AL080192:Homo sapiens mRNA; cDNA DKFZp434B102 (from  
clone  
40079\_at Cluster Incl. AA156240:zl50c12.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
40800\_at Cluster Incl. AI590869:tw88g03.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
25 32787\_at Cluster Incl. M34309:Human epidermal growth factor receptor (HER3) mRNA  
34300\_at Cluster Incl. AI352450:qt16g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
36970\_at Cluster Incl. D80004:Human mRNA for KIAA0182 gene, partial cds /cds=(0,  
38763\_at Cluster Incl. L29254:Human (clone P1-5) L-iditol-2 dehydrogenase gene /  
38827\_at Cluster Incl. AF038451:Homo sapiens secreted cement gland protein XAG-2  
30 41346\_at Cluster Incl. AJ007583:Homo sapiens mRNA for acetylglucosaminyltransfer  
32618\_at Cluster Incl. X93086:H.sapiens mRNA for biliverdin IX alpha reductase /  
1850\_at U07418 /FEATURE= /DEFINITION=HSHMLHI Human DNA mismatch repair (hmlh1) m  
1577\_at M23263 /FEATURE= /DEFINITION=HUMARB Human androgen receptor mRNA,  
comple  
35 1585\_at M34309 /FEATURE= /DEFINITION=HUMHER3A Human epidermal growth factor rece

METAGENE 139 :

39681\_at Cluster Incl. AF060568:Homo sapiens promyelocytic leukemia zinc finger

- 35707\_at Cluster Incl. AI057614:oy31f04.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 38683\_s\_at Cluster Incl. AB029008:Homo sapiens mRNA for KIAA1085 protein, partial
- 40503\_at Cluster Incl. X66276:H.sapiens mRNA for skeletal muscle C-protein /cds=
- 41728\_at Cluster Incl. D63486:Human mRNA for KIAA0152 gene, complete cds /cds=(1
- 5 41770\_at Cluster Incl. AA420624:nc61c12.r1 Homo sapiens cDNA /clone=IMAGE-745750
- 41771\_g\_at Cluster Incl. AA420624:nc61c12.r1 Homo sapiens cDNA /clone=IMAGE-7457
- 41772\_at Cluster Incl. M68840:Human monoamine oxidase A (MAOA) mRNA, complete cd
- 32817\_at Cluster Incl. AL096881:Novel human mRNA similar to Rattus norvegicus 45
- 35771\_at Cluster Incl. AF049460:Homo sapiens nuclear DEAF-1 related transcriptio
- 10 2026\_at M83215 /FEATURE= /DEFINITION=HUMAML1BP Human acute myeloid leukemia (AML

## METAGENE 140 :

- 15 33982\_f\_at Cluster Incl. X59244:Human ZNF43 mRNA /cds=(337,2748) /gb=X59244 /gi=
- 36303\_f\_at Cluster Incl. U35376:Human repressor transcriptional factor (ZNF85) m
- 37676\_at Cluster Incl. AF056490:Homo sapiens cAMP-specific phosphodiesterase 8A
- 41501\_at Cluster Incl. AF004849:Homo sapiens PKY protein kinase mRNA, complete c
- 33173\_g\_at Cluster Incl. T75292:yc89b05.r1 Homo sapiens cDNA, 5' end /clone=IMAG
- 20 1606\_at L36645 /FEATURE=mRNA /DEFINITION=HUMRPTKC Homo sapiens receptor protein-704\_at Nuclear Factor 1, A Type
- 369\_s\_at Z29331 /FEATURE=cds /DEFINITION=HSUCEH3 H.sapiens (23k/3) mRNA for ubiqu

## 25 METAGENE 141 :

- 37841\_at Cluster Incl. M16541:Human butyrylcholinesterase, mRNA, complete cds /c
- 33449\_at Cluster Incl. AF054185:Homo sapiens proteasome subunit HSPC mRNA, compl

## 30 METAGENE 142 :

- 31526\_f\_at Cluster Incl. X63547:H.sapiens mRNA for the oncogene (clone 213) /cds
- 39951\_at Cluster Incl. L20826:Human I-plastin mRNA, complete cds /cds=(97,1986)
- 34677\_f\_at Cluster Incl. AJ012755:Homo sapiens mRNA for TL132 /cds=(1241,2305) /
- 35 1035\_g\_at U14394 /FEATURE= /DEFINITION=HSU14394 Human tissue inhibitor of metallo

## METAGENE 143 :

- 35382\_at Cluster Incl. AF043244:Homo sapiens apoptosis repressor ARC (ARC) mRNA,

- 41861\_at Cluster Incl. AL050019:Homo sapiens mRNA; cDNA DKFZp564C186 (from clone)
- 35994\_at Cluster Incl. AC002398:Human DNA from chromosome 19-specific cosmid F25
- 33424\_at Cluster Incl. Y00281:Human mRNA for ribophorin I /cds=(137,1960) /gb=Y0
- 5 34366\_g\_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, co
- 35338\_at Cluster Incl. X17094:Human fur mRNA for furin /cds=(216,2600) /gb=X1709
- 36150\_at Cluster Incl. AB020649:Homo sapiens mRNA for KIAA0842 protein, partial
- 1879\_at M14949 /FEATURE=cds /DEFINITION=HUMRASR2 Human R-ras gene, exons 2 throu
- 1649\_at U61836 /FEATURE=mRNA /DEFINITION=HSU61836 Human putative cyclin G1 inter
- 10 1333\_f\_at X02596 /FEATURE=cds /DEFINITION=HSBCRR Human mRNA for bcr (breakpoint
- 537\_f\_atU07000 /FEATURE=cds#3 /DEFINITION=HSU07000 Human breakpoint cluster reg
- 405\_at X52773 /FEATURE=cds /DEFINITION=HSRARLP Human mRNA for retinoic acid rece
- 15 METAGENE 144 :
- 31481\_s\_at Cluster Incl. M92383:Homo sapiens thymosin beta-10 gene, 3end /cds=(0
- 32134\_at Cluster Incl. AL050162:Homo sapiens mRNA; cDNA DKFZp586B2022 (from clon
- 20 33774\_at Cluster Incl. X98172:H.sapiens mRNA for MACH-alpha-1 protein /cds=(291,
- 37974\_at Cluster Incl. AL050178:Homo sapiens mRNA; cDNA DKFZp586J1822 (from clon
- 39043\_at Cluster Incl. AF006084:Homo sapiens Arp2/3 protein complex subunit p41-
- 40071\_at Cluster Incl. U03688:Human dioxin-inducible cytochrome P450 (CYP1B1) mR
- 41175\_at Cluster Incl. L20298:Homo sapiens transcription factor (CBFB) mRNA, 3
- 25 41743\_i\_at Cluster Incl. AF061034:Homo sapiens FIP2 alternatively translated mRN
- 34386\_at Cluster Incl. AF072250:Homo sapiens methyl-CpG binding protein MBD4 (MB
- 35734\_at Cluster Incl. AI935551:wo97g09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 39533\_at Cluster Incl. D87432:Human mRNA for KIAA0245 gene, complete cds /cds=(2
- 40585\_at Cluster Incl. D25538:Human mRNA for KIAA0037 gene, complete cds /cds=(2
- 30 40910\_at Cluster Incl. U56637:Human capping protein alpha subunit isoform 1 mRNA
- 41795\_at Cluster Incl. X17576:Human melanoma mRNA for nck protein, showing homol
- 32563\_at Cluster Incl. U51478:Human sodium/potassium-transporting ATPase beta-3
- 859\_at U03688 /FEATURE= /DEFINITION=HSU03688 Human dioxin-inducible cytochrome P
- 35 METAGENE 145 :
- 40309\_at Cluster Incl. X66839:H.sapiens MaTu MN mRNA for p54/58N protein /cds=(4
- 31888\_s\_at Cluster Incl. AF001294:Homo sapiens IPL (IPL) mRNA, complete cds /cds
- 34777\_at Cluster Incl. D14874:Homo sapiens mRNA for adrenomedullin precursor, co



- 34795\_at Cluster Incl. U84573:Homo sapiens lysyl hydroxylase isoform 2 (PLOD2) m  
 36933\_at Cluster Incl. D87953:Human mRNA for RTP, complete cds /cds=(122,1306) /  
 37037\_at Cluster Incl. M24486:Human prolyl 4-hydroxylase alpha subunit mRNA, com  
 40237\_at Cluster Incl. AF035444:Homo sapiens p17-Beckwith-Wiedemann region 1 C (
- 5** 1385\_at M77349 /FEATURE= /DEFINITION=HUMTGFBIG Human transforming growth factor-
- METAGENE 146 :**
- 39709\_at Cluster Incl. U67171:Human selenoprotein W (selW) mRNA, complete cds /c  
**10** 36170\_at Cluster Incl. D83198:Homo sapiens mRNA expressed in thyroid gland /cds=  
 37760\_at Cluster Incl. AB015019:Homo sapiens mRNA for BAP2-alpha protein, comple  
 2031\_s\_at U03106 /FEATURE= /DEFINITION=HSU03106 Human wild-type p53 activated  
 fr
- 15** **METAGENE 147 :**
- 37587\_at Cluster Incl. S43855:recoverin=photoreceptor protein [human, retina, mR  
 40794\_at Cluster Incl. X05332:Human mRNA for prostate specific antigen /cds=(43,
- 20** **METAGENE 148 :**
- 31932\_f\_at Cluster Incl. M90357:Human basic transcription factor 3a (BTF3a) gene  
 34898\_at Cluster Incl. M30704:Human amphiregulin (AR) mRNA, complete cds, clones  
 40375\_at Cluster Incl. X63741:H.sapiens pilot mRNA /cds=(353,1516) /gb=X63741 /g  
**25** 32655\_s\_at Cluster Incl. X87613:H.sapiens mRNA for skeletal muscle abundant prot  
 34773\_at Cluster Incl. AF038952:Homo sapiens cofactor A protein mRNA, complete c  
 37537\_at Cluster Incl. L04510:Human nucleotide binding protein mRNA, complete cd  
 40086\_at Cluster Incl. D87450:Human mRNA for KIAA0261 gene, partial cds /cds=(0,  
 40486\_g\_at Cluster Incl. AA176780:zp32a10.s1 Homo sapiens cDNA, 3 end /clone=IM  
**30** 41155\_at Cluster Incl. U03100:Human alpha2(E)-catenin mRNA, complete cds /cds=(4  
 33343\_at Cluster Incl. AB022663:Homo sapiens HFB30 mRNA, complete cds /cds=(236,  
 33847\_s\_at Cluster Incl. AI304854:qo19f03.x1 Homo sapiens cDNA, 3 end /clone=IM  
 34783\_s\_at Cluster Incl. AF047473:Homo sapiens testis mitotic checkpoint BUB3 (B  
 37292\_at Cluster Incl. D83785:Human mRNA for KIAA0200 gene, complete cds /cds=(2  
**35** 38067\_at Cluster Incl. D86957:Human mRNA for KIAA0202 gene, partial cds /cds=(0,  
 39110\_at Cluster Incl. X55733:H.sapiens initiation factor 4B cDNA /cds=(0,1835)  
 39517\_at Cluster Incl. AF035313:Homo sapiens clone 23851 mRNA sequence /cds=UNKN  
 40203\_at Cluster Incl. AJ012375:Homo sapiens mRNA for SUI1 protein translation i  
 40211\_at Cluster Incl. X12671:Human gene for heterogeneous nuclear ribonucleopro

- 40966\_at Cluster Incl. AF099989:Homo sapiens Ste-20 related kinase SPAK mRNA, co  
 41547\_at Cluster Incl. AF047472:Homo sapiens spleen mitotic checkpoint BUB3 (BUB  
 2085\_s\_at D14705 /FEATURE= /DEFINITION=HUMALPHAC Human mRNA for alpha-  
 catenin, c
- 5** 1675\_at M23379 /FEATURE= /DEFINITION=HUMGAPA Human GTPase-activating protein ras  
 1467\_at U12535 /FEATURE= /DEFINITION=HSU12535 Human epidermal growth factor rece  
 1420\_s\_at D30655 /FEATURE= /DEFINITION=HUMELF4AII Homo sapiens mRNA for  
 eukaryot
- 1383\_at M64929 /FEATURE= /DEFINITION=HUMPROP2AA Human protein phosphatase 2A alp
- 10** 776\_at D13435 /FEATURE= /DEFINITION=HUMPIGF Human mRNA for PIG-F (phosphatidyl-i  
 529\_at U15932 /FEATURE= /DEFINITION=HSU15932 Human dual-specificity protein phos  
 324\_f\_at Transcription Factor Btf3b
- 218\_at S74221 /FEATURE= /DEFINITION=S74221 IK=IK factor [human, leukemic cells K  
 192\_at U18062 /FEATURE= /DEFINITION=HSU18062 Human TFIID subunit TAFII55 (TAFII5

**15**

METAGENE 149 :

- 33646\_g\_at Cluster Incl. X61094:H.sapiens RNA for GM2-activator protein (clone p  
 34172\_s\_at Cluster Incl. M99578:Human lymphocyte surface protein exons 1-5, comp
- 20** 35099\_at Cluster Incl. AF019225:Homo sapiens apolipoprotein L mRNA, complete cds  
 35583\_at Cluster Incl. X99699:H.sapiens mRNA for XIAP associated factor-1 /cds=(  
 36770\_at Cluster Incl. U18671:Human Stat2 gene, complete cds /cds=(57,2612) /gb=  
 39264\_at Cluster Incl. M87284:Human 69 kDa 25 oligoadenylate synthetase (P69 2-  
 38014\_at Cluster Incl. X79448:H.sapiens IFI-4 mRNA for type I protein /cds=(1165
- 25** 2066\_at L22474 /FEATURE= /DEFINITION=HUMBAXB Human Bax beta mRNA, complete cds  
 1794\_at M92287 /FEATURE= /DEFINITION=HUMCYCD3A Homo sapiens cyclin D3 (CCND3)  
 mR
- 1457\_at M64174 /FEATURE= /DEFINITION=HUMPTKJAK1 Human protein-tyrosine kinase (J  
 909\_g\_at M14660 /FEATURE=cds /DEFINITION=HUMISG2 Human ISG-54K gene
- 30** (interferon  
 865\_at U08316 /FEATURE= /DEFINITION=HSU08316 Human insulin-stimulated protein ki  
 428\_s\_at V00567 /FEATURE=cds /DEFINITION=HSMGLO Human messenger RNA  
 fragment for
- 201\_s\_at S82297 /FEATURE= /DEFINITION=S82297 beta 2-microglobulin {11bp deleted

**35**

METAGENE 150 :

- 34526\_s\_at Cluster Incl. AF052108:Homo sapiens clone 23687 mRNA sequence /cds=UN  
 38937\_at Cluster Incl. AF022152:Homo sapiens AP-3 complex beta3B subunit mRNA, c

33244\_at Cluster Incl. U07223:Human beta2-chimaerin mRNA, complete cds /cds=(444  
 35670\_at Cluster Incl. M37457:Human Na<sup>+</sup>,K<sup>+</sup> -ATPase catalytic subunit alpha-III i  
 40808\_at Cluster Incl. U03749:Human chromogranin A (CHGA) gene, promoter and /cd

## 5 METAGENE 151 :

37127\_at Cluster Incl. AB023143:Homo sapiens mRNA for KIAA0926 protein, complete  
 37479\_at Cluster Incl. M54992:Human B cell differentiation antigen mRNA, complet  
 37774\_at Cluster Incl. AI819942:wj88e02.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 10 38222\_at Cluster Incl. AF007893:Homo sapiens P2Y6 receptor pseudogene, complete  
 31802\_at Cluster Incl. D86979:Human mRNA for KIAA0226 gene, complete cds /cds=(6  
 33291\_at Cluster Incl. AF081195:Homo sapiens calcium and DAG-regulated guanine n  
 34256\_at Cluster Incl. AB018356:Homo sapiens mRNA for GM3 synthase, complete cds  
 35659\_at Cluster Incl. U00672:Human interleukin-10 receptor mRNA, complete cds /  
 15 36885\_at Cluster Incl. L28824:Homo sapiens protein tyrosine kinase (Syk) mRNA, c  
 37180\_at Cluster Incl. X14034:Human mRNA for phospholipase C /cds=(152,3910) /gb  
 38666\_at Cluster Incl. M85169:Human homologue of yeast sec7 mRNA, complete cds /  
 40472\_at Cluster Incl. AF007155:Homo sapiens clone 23763 unknown mRNA, partial c  
 34361\_at Cluster Incl. U33849:Human lymphoma proprotein convertase (LPC) mRNA, c  
 20 36650\_at Cluster Incl. D13639:Human mRNA for KIAK0002 gene, complete cds /cds=(2  
 39829\_at Cluster Incl. AB016811:Homo sapiens mRNA for ADP ribosylation factor-li  
 40639\_at Cluster Incl. AL021683:Homo sapiens cDNA homologous to Yeast SCO1 & SCO  
 1630\_s\_at Tyrosine Kinase Syk  
 1365\_at M26062 /FEATURE= /DEFINITION=HUMIL2RBC Human interleukin 2 receptor beta  
 25 1292\_at L11329 /FEATURE= /DEFINITION=HUMPAC1 Homo sapiens protein tyrosine phosph  
 574\_s\_at M87507 /FEATURE= /DEFINITION=HUMIL1BCE Homo sapien interleukin-1  
 beta c  
 307\_at J03600 /FEATURE= /DEFINITION=HUMLOX5 Human lipoxigenase mRNA, complete  
 cd  
 30 106\_at Z35278 /FEATURE=mRNA /DEFINITION=HSAML1RN H.sapiens PEBP2aC1 acute  
 myeloi

## METAGENE 152 :

35 31773\_at Cluster Incl. U06715:Human cytochrome B561, HCYTO B561, mRNA, partial c  
 41104\_at Cluster Incl. AF044197:Homo sapiens B lymphocyte chemoattractant BLC mR

## METAGENE 153 :

36376\_at Cluster Incl. AF030880:Homo sapiens pendrin (PDS) mRNA, complete cds /c  
 36328\_at Cluster Incl. M31651:Homo sapiens sex hormone-binding globulin (SHBG) g  
 37536\_at Cluster Incl. Z11697:Homo sapiens mRNA for HB15 /cds=(10,627) /gb=Z1169  
 1170\_at Colony-Stimulating Factor 1, Macrophage, Alt. Splice 3

5

## METAGENE 154 :

31833\_at Cluster Incl. U78575:Human 68 kDa type I phosphatidylinositol-4-phospha  
 33230\_at Cluster Incl. AJ131186:Homo sapiens mRNA for nuclear matrix protein NMP  
 10 36146\_at Cluster Incl. AF057297:Homo sapiens ornithine decarboxylase antizyme 2

## METAGENE 155 :

15 31496\_g\_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, comple  
 34607\_at Cluster Incl. AB023135:Homo sapiens mRNA for activation-inducible lymph  
 32264\_at Cluster Incl. L23134:Homo sapiens metase (MET-1) mRNA, complete cds /cd  
 32321\_at Cluster Incl. X56841:H.sapiens HLA-E gene /cds=(0,363) /gb=X56841 /gi=4  
 32370\_at Cluster Incl. M57888:Human (clone lambda B34) cytotoxic T-lymphocyte-as  
 33462\_at Cluster Incl. D13626:Human mRNA for KIAA0001 gene, complete cds /cds=(2  
 20 34046\_at Cluster Incl. Z83844:Human DNA sequence from clone 37E16 on chromosome  
 34432\_at Cluster Incl. AF051325:Homo sapiens SH3 domain containing adaptor prote  
 34481\_at Cluster Incl. AF030227:untitled /cds=(97,2634) /gb=AF030227 /gi=3282618  
 34914\_at Cluster Incl. U94778:Human PEST phosphatase interacting protein homolog  
 34965\_at Cluster Incl. AF031824:Homo sapiens leukocystatin mRNA, complete cds /c  
 25 36239\_at Cluster Incl. Z49194:H.sapiens mRNA for oct-binding factor /cds=(523,12  
 36277\_at Cluster Incl. M23323:Human membrane protein (CD3-epsilon) gene /cds=(59  
 36280\_at Cluster Incl. U26174:Human pre-granzyme 3 mRNA, complete cds /cds=(40,8  
 36293\_at Cluster Incl. U73531:Human G protein-coupled receptor STRL33.3 (STRL33)  
 36314\_at Cluster Incl. U04806:Human FLT3/FLK2 ligand mRNA, complete cds /cds=(92  
 30 37078\_at Cluster Incl. J04132:Human T cell receptor zeta-chain mRNA, complete cd  
 37121\_at Cluster Incl. S69115:granulocyte colony-stimulating factor induced gene  
 37137\_at Cluster Incl. M17016:Human serine protease-like protein mRNA, complete  
 37456\_at Cluster Incl. AL022315:dJ1177I5.3 (Lectin, Galactose-binding, soluble,  
 37493\_at Cluster Incl. H04668:yj49e08.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 35 37775\_at Cluster Incl. W25951:17d10 Homo sapiens cDNA /gb=W25951 /gi=1306236 /ug  
 37845\_at Cluster Incl. M58285:Human membrane-associated protein (HEM-1) mRNA, co  
 38149\_at Cluster Incl. D29642:Human mRNA for KIAA0053 gene, complete cds /cds=(1  
 38570\_at Cluster Incl. X03066:Human mRNA for HLA-D class II antigen DO beta chai  
 38578\_at Cluster Incl. M63928:Homo sapiens T cell activation antigen (CD27) mRNA

	38893_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromosom
	38894_g_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromos
	38949_at	Cluster Incl. L01087:Human protein kinase C-theta (PRKCT) mRNA, complet
	38964_r_at	Cluster Incl. U12707:Human Wiskott-Aldrich syndrome protein (WASP) mR
5	39649_at	Cluster Incl. X78817:H.sapiens partial C1 mRNA /cds=(42,2882) /gb=X7881
	39672_at	Cluster Incl. M64322:Human protein tyrosine phosphatase (LPTase) mRNA,
	39936_at	Cluster Incl. U95626:Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (ccr
	40296_at	Cluster Incl. AL023653:Human DNA sequence from clone 753P9 on chromosom
	40667_at	Cluster Incl. X60992:H.sapiens CD6 mRNA for T cell glycoprotein CD6 /cd
10	40699_at	Cluster Incl. M12824:Human T-cell differentiation antigen Leu-2/T8 mRNA
	40715_at	Cluster Incl. D83597:Homo sapiens mRNA for RP105, complete cds /cds=(14
	40718_at	Cluster Incl. AF013611:Homo sapiens lymphopain mRNA, complete cds /cds=
	40719_at	Cluster Incl. AL022398:dJ434O14.3.3 (novel protein) (isoform 3) /cds=(2
	40720_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /cds
15	40721_g_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /c
	40738_at	Cluster Incl. M16336:Human T-cell surface antigen CD2 (T11) mRNA, compl
	40757_at	Cluster Incl. M18737:Human Hanukah factor serine protease (HuHF) mRNA,
	41468_at	Cluster Incl. M30894:Human T-cell receptor Ti rearranged gamma-chain mR
	41654_at	Cluster Incl. X02994:Human mRNA for adenosine deaminase (adenosine amin
20	31820_at	Cluster Incl. X16663:Human HS1 gene for heamatopoietic lineage cell spe
	31870_at	Cluster Incl. X14046:Human mRNA for leukocyte antigen CD37 /cds=(63,908
	31901_at	Cluster Incl. AF044253:Homo sapiens potassium channel beta 2 subunit (H
	32070_at	Cluster Incl. X97267:H.sapiens LPAP gene /cds=(63,683) /gb=X97267 /gi=1
	32629_f_at	Cluster Incl. U90552:Human butyrophilin (BTF5) mRNA, complete cds /cd
25	32704_at	Cluster Incl. D86964:Human mRNA for KIAA0209 gene, partial cds /cds=(0,
	32736_at	Cluster Incl. W68830:zd37g06.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	33238_at	Cluster Incl. U23852:Human T-lymphocyte specific protein tyrosine kinas
	33243_at	Cluster Incl. AF099935:Homo sapiens MDC-3.13 isoform 2 mRNA, complete c
	33267_at	Cluster Incl. AF035315:Homo sapiens clone 23664 and 23905 mRNA sequence
30	33748_at	Cluster Incl. D86976:Human mRNA for KIAA0223 gene, partial cds /cds=(0,
	33813_at	Cluster Incl. AI813532:wj83a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34210_at	Cluster Incl. N90866:zb11b10.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	35149_at	Cluster Incl. AI865431:wk11h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35625_at	Cluster Incl. X94630:H.sapiens CD97 gene exon 1 (and joined CDS) /cds=(
35	36030_at	Cluster Incl. AL080214:Homo sapiens mRNA; cDNA DKFZp586I2223 (from clon
	36062_at	Cluster Incl. AF062075:Homo sapiens leupaxin mRNA, complete cds /cds=(9
	36493_at	Cluster Incl. M33552:Human lymphocyte-specific protein 1 (LSP1) mRNA, c
	37541_at	Cluster Incl. U25956:Human P-selectin glycoprotein ligand (SELPLG) gene
	37591_at	Cluster Incl. U94592:Human uncoupling protein homolog (UCPH) mRNA, comp

	37625_at	Cluster Incl. U52682:Human lymphocyte specific interferon regulatory fa
	37645_at	Cluster Incl. Z22576:H.sapiens CD69 gene /cds=(81,680) /gb=Z22576 /gi=3
	38006_at	Cluster Incl. M37766:Human MEM-102 glycoprotein mRNA, complete cds /cds
	38319_at	Cluster Incl. AA919102:ol84h02.s1 Homo sapiens cDNA, 3' end /clone=IMAG
5	38976_at	Cluster Incl. D44497:Human mRNA for actin binding protein p57, complete
	39049_at	Cluster Incl. AJ243937:Homo sapiens mRNA for G18.1a and G18.1b proteins
	40468_at	Cluster Incl. AB011126:Homo sapiens mRNA for KIAA0554 protein, partial
	32793_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,97
	32794_g_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,
10	36155_at	Cluster Incl. D87465:Human mRNA for KIAA0275 gene, complete cds /cds=(3
	37021_at	Cluster Incl. X16832:Human mRNA for cathepsin H (EC 3.4.22.16) /cds=(34
	38017_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=U0
	38018_g_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=
	38091_at	Cluster Incl. Z49107:H.sapiens mRNA for galectin /cds=(87,1058) /gb=Z49
15	38826_at	Cluster Incl. D50918:Human mRNA for KIAA0128 gene, partial cds /cds=(0,
	41577_at	Cluster Incl. AB020630:Homo sapiens mRNA for KIAA0823 protein, partial
	2059_s_at	M36881 /FEATURE=mRNA /DEFINITION=HUMLCCKAA Human lymphocyte-
	specific pr	
	2019_s_at	M68892 /FEATURE= /DEFINITION=HUMINTB7 Human integrin beta-7 subunit
20	mR	
	1760_s_at	D11327 /FEATURE= /DEFINITION=HUMLCPTP Human mRNA for protein-
	tyrosine	
	1717_s_at	U45878 /FEATURE= /DEFINITION=HSU45878 Human inhibitor of apoptosis
	pro	
25	1583_at	M32315 /FEATURE= /DEFINITION=HUMNFR Human tumor necrosis factor receptor
	1506_at	D11086 /FEATURE= /DEFINITION=HUMIL2RG Human mRNA for interleukin 2 recep
	1498_at	L05148 /FEATURE= /DEFINITION=HUMTYRKIN Human protein tyrosine kinase rel
	1478_at	L10717 /FEATURE= /DEFINITION=HUMTKTCS Homo sapiens T cell-specific tyros
	1403_s_at	M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein
30	(RA	
	1405_i_at	M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein
	(RA	
	1326_at	U60519 /FEATURE= /DEFINITION=HSU60519 Human apoptotic cysteine protease
	1105_s_at	M12886 /FEATURE= /DEFINITION=HUMTCBYT Human T-cell receptor active
35	bet	
	1106_s_at	M12959 /FEATURE= /DEFINITION=HUMTCAXB Human T-cell receptor active
	alp	
	1110_at	M21624 /FEATURE=mRNA /DEFINITION=HUMTCRGC Human T-cell receptor delta ch

- 1062\_g\_at U00672 /FEATURE= /DEFINITION=U00672 Human interleukin-10 receptor mRNA
- 906\_at L78440 /FEATURE=mRNA /DEFINITION=HUMSTAT4R Homo sapiens STAT4 mRNA, compl
- 5 849\_g\_at U19261 /FEATURE= /DEFINITION=HSU19261 Homo sapiens Epstein-Barr virus-i
- 402\_s\_at X69819 /FEATURE=cds /DEFINITION=HSICAM3RN H.sapiens ICAM-3 mRNA
- 245\_at M25280 /FEATURE= /DEFINITION=HUMLNHR Human lymph node homing receptor mRN
- 10 172\_at U57650 /FEATURE= /DEFINITION=HSU57650 Human SH2-containing inositol 5-pho
- 160029\_at X07109 /FEATURE=cds /DEFINITION=HSPKCB2A Human mRNA for protein kinase
- 15 METAGENE 156 :
- 36337\_at Cluster Incl. AI760801:wi67f11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34462\_at Cluster Incl. U38254:Human amiloride sensitive sodium channel delta sub
- 38631\_at Cluster Incl. M92357:Homo sapiens B94 protein mRNA, complete cds /cds=(
- 20 2041\_i\_at M14752 /FEATURE= /DEFINITION=HUMABLA Human c-abl gene, complete cds
- METAGENE 157 :
- 25 38573\_at Cluster Incl. U72209:Human YY1-associated factor 2 (YAF2) mRNA, complet
- 38908\_s\_at Cluster Incl. AL096744:Homo sapiens mRNA; cDNA DKFZp566H033 (from clo
- 41417\_at Cluster Incl. AC003108:Human Chromosome 16 BAC clone CIT987SK-327O24 /c
- 31879\_at Cluster Incl. U69127:Human FUSE binding protein 3 (FBP3) mRNA, partial
- 32734\_at Cluster Incl. L76703:Homo sapiens protein phosphatase 2A B56-epsilon (P
- 30 34680\_s\_at Cluster Incl. D14663:Human mRNA for KIAA0107 gene, complete cds /cds=
- 34699\_at Cluster Incl. AL050105:Homo sapiens mRNA; cDNA DKFZp586H0519 (from clon
- 34752\_at Cluster Incl. AL080111:Homo sapiens mRNA; cDNA DKFZp586G2222 (from clon
- 35 34763\_at Cluster Incl. AF020043:Homo sapiens chromosome-associated polypeptide (
- 34768\_at Cluster Incl. AL080080:Homo sapiens mRNA; cDNA DKFZp564E1962 (from clon
- 35656\_at Cluster Incl. AJ010346:Homo sapiens mRNA for RING-H2 protein RNF6, alte
- 36474\_at Cluster Incl. AB018319:Homo sapiens mRNA for KIAA0776 protein, partial

	36909_at	Cluster Incl. X62048:H.sapiens Wee1 hu gene /cds=(170,2110) /gb=X62048
	37569_at	Cluster Incl. AF035606:Homo sapiens calcium binding protein (ALG-2) mRNA
	37962_r_at	Cluster Incl. D63506:Homo sapiens mRNA for unc-18homologue, complete
	38270_at	Cluster Incl. AF005043:Homo sapiens poly(ADP-ribose) glycohydrolase (hP
5	38654_at	Cluster Incl. X65488:H.sapiens U21.1 mRNA /cds=(41,2461) /gb=X65488 /gi
	38676_at	Cluster Incl. AA059408:zl96e07.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	38698_at	Cluster Incl. AL080070:Homo sapiens mRNA; cDNA DKFZp564M112 (from clone
	38705_at	Cluster Incl. AI310002:qo77c11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	38993_r_at	Cluster Incl. W27522:32a12 Homo sapiens cDNA /gb=W27522 /gi=1307326 /
	39005_s_at	Cluster Incl. AB018257:Homo sapiens mRNA for KIAA0714 protein, partia
	39381_at	Cluster Incl. AF055030:Homo sapiens clone 24538 mRNA sequence /cds=UNKN
	39389_at	Cluster Incl. M38690:Human CD9 antigen mRNA, complete cds /cds=(51,737)
	39727_at	Cluster Incl. AF023917:Homo sapiens protein tyrosine phosphatase PIR1 m
15	39744_at	Cluster Incl. AF000982:Homo sapiens dead box, X isoform (DBX) mRNA, alt
	39793_at	Cluster Incl. AF029786:Homo sapiens GBAS (GBAS) mRNA, complete cds /cds
	40048_at	Cluster Incl. D43951:Human mRNA for KIAA0099 gene, complete cds /cds=(5
	40128_at	Cluster Incl. D79993:Human mRNA for KIAA0171 gene, complete cds /cds=(1
	40797_at	Cluster Incl. AF009615:Homo sapiens ADAM10 (ADAM10) mRNA, complete cds
20	40831_at	Cluster Incl. AL050190:Homo sapiens mRNA; cDNA DKFZp586B0923 (from clon
	40864_at	Cluster Incl. D25274:Homo sapiens mRNA, clone-PO2ST9 /cds=UNKNOWN /gb=D
	41131_f_at	Cluster Incl. U01923:Human BTK region clone fip-3 mRNA /cds=UNKNOWN /
25	41133_at	Cluster Incl. U32519:Human GAP SH3 binding protein mRNA, complete cds /
	41215_s_at	Cluster Incl. D13891:Human mRNA for Id-2H, complete cds /cds=(96,500)
	32803_at	Cluster Incl. AF104398:Homo sapiens cornichon mRNA, complete cds /cds=(
	32850_at	Cluster Incl. Z25535:H.sapiens mRNA for nuclear pore complex protein hn
	33348_at	Cluster Incl. M80627:Human HEB helix-loop-helix protein (HEB) mRNA, com
30	34326_at	Cluster Incl. X82103:H.sapiens mRNA for beta-COP /cds=(0,911) /gb=X8210
	34393_r_at	Cluster Incl. AL050268:Homo sapiens mRNA; cDNA DKFZp564B163 (from clo
	34786_at	Cluster Incl. AB018285:Homo sapiens mRNA for KIAA0742 protein, partial
	34814_at	Cluster Incl. AL041443:DKFZp434D0717_s1 Homo sapiens cDNA, 3 end /clon
	34824_at	Cluster Incl. AB015344:Homo sapiens HRIHFB2157 mRNA, partial cds /cds=(
35	34879_at	Cluster Incl. AF007875:Homo sapiens dolichol monophosphate mannose synt
	34889_at	Cluster Incl. AA056747:zk81f02.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	35258_f_at	Cluster Incl. AF030234:Homo sapiens splicing factor Sip1 mRNA, comple
	35747_at	Cluster Incl. AF035287:Homo sapiens clone 23742 mRNA, partial cds /cds=
	35790_at	Cluster Incl. AF054179:Homo sapiens H beta 58 homolog mRNA, complete cd



	35811_at	Cluster Incl. AF037204:Homo sapiens RING zinc finger protein (RZF) mRNA
	36107_at	Cluster Incl. AA845575:ak04e09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	36110_at	Cluster Incl. M28215:Homo sapiens GTP-binding protein (RAB5) mRNA, comp
	36112_r_at	Cluster Incl. X75755:H.sapiens PR264 gene /cds=(109,774) /gb=X75755 /
5	36176_at	Cluster Incl. U61234:Human tubulin-folding cofactor C mRNA, complete cd
	36585_at	Cluster Incl. M36341:Human ADP-ribosylation factor 4 (ARF4) mRNA, compl
	36604_at	Cluster Incl. D83004:Human epidermoid carcinoma mRNA for ubiquitin-conj
	36614_at	Cluster Incl. X87949:H.sapiens mRNA for BiP protein /cds=(222,2183) /gb
	37010_at	Cluster Incl. AI203737:qf76b12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	37296_at	Cluster Incl. L28997:Homo sapiens ARL1 mRNA, complete cds /cds=(144,689
	37304_at	Cluster Incl. U35451:Homo sapiens heterochromatin protein p25 mRNA, com
	37334_at	Cluster Incl. U23803:Human heterogeneous ribonucleoprotein A0 mRNA, com
	37358_at	Cluster Incl. AI039880:ox97c12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37359_at	Cluster Incl. D14658:Human mRNA for KIAA0102 gene, complete cds /cds=(3
15	37392_at	Cluster Incl. X84908:H.sapiens mRNA for phosphorylase-kinase, beta subu
	37693_at	Cluster Incl. L40393:Homo sapiens (clone S171) mRNA, complete cds /cds=
	37729_at	Cluster Incl. Y08614:Homo sapiens mRNA for CRM1 protein /cds=(38,3253)
	37734_at	Cluster Incl. D80006:Human mRNA for KIAA0184 gene, partial cds /cds=(0,
	38040_at	Cluster Incl. AF107463:Homo sapiens splicing factor mRNA, complete cds
20	38084_at	Cluster Incl. AA648295:ns20e08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	38093_at	Cluster Incl. U90909:Human clone 23722 mRNA sequence /cds=UNKNOWN
	/gb=U	
	38100_at	Cluster Incl. D87127:Homo sapiens mRNA for translocation protein-1, com
	38392_at	Cluster Incl. AF006088:Homo sapiens Arp2/3 protein complex subunit p16-
25	38402_at	Cluster Incl. U36336:Human lysosome-associated membrane protein-2b (LAM
	38409_at	Cluster Incl. M61199:Human cleavage signal 1 protein mRNA, complete cds
	38462_at	Cluster Incl. U64028:Human NADH-ubiquinone oxidoreductase subunit B13 m
	38738_at	Cluster Incl. X99584:H.sapiens mRNA for SMT3A protein /cds=(94,405) /gb
	40605_at	Cluster Incl. AA524345:ng43a06.s1 Homo sapiens cDNA, 3 end /clone=IMAG
30	40638_at	Cluster Incl. X70944:H.sapiens mRNA for PTB-associated splicing factor
	40901_at	Cluster Incl. U17989:Homo sapiens nuclear autoantigen GS2NA mRNA, compl
	40988_at	Cluster Incl. AJ132637:Homo sapiens mRNA for ATP-dependent metalloprote
	41242_at	Cluster Incl. AB011004:Homo sapiens HuUAP1 mRNA for UDP-N-acetylglucosa
	41257_at	Cluster Incl. D16217:Human mRNA for calpastatin, complete cds /cds=(162
35	32508_at	Cluster Incl. AL096857:Novel human mRNA from chromosome 1, which has si
	33150_at	Cluster Incl. AI126004:qc50e12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	2069_s_at	L23805 /FEATURE= /DEFINITION=HUMCATENIN Human alpha1(E)-catenin
	mRNA,	

- 2044\_s\_at M15400 /FEATURE=mRNA /DEFINITION=HUMRBS Human retinoblastoma susceptib
- 1940\_at M54968 /FEATURE= /DEFINITION=HUMKRASM Human K-ras oncogene protein mRNA,
- 5 1874\_at D21090 /FEATURE= /DEFINITION=HUMHHR23B Human mRNA for XP-C repair comple
- 1848\_at M22995 /FEATURE= /DEFINITION=HUMKREV1A Human ras-related protein (Krev-1
- 1857\_at AF010193 /FEATURE= /DEFINITION=AF010193 Homo sapiens MAD-related gene SM
- 1480\_at L12723 /FEATURE= /DEFINITION=HUMHSP70H Human heat shock protein 70 (hsp7
- 10 1463\_at M93425 /FEATURE= /DEFINITION=HUMPTPEST Human protein tyrosine phosphata
- 1064\_at U02680 /FEATURE= /DEFINITION=HSU02680 Human protein tyrosine kinase mRNA
- 949\_s\_at D78275 /FEATURE= /DEFINITION=D78275 Homo sapiens mRNA for proteasome su
- 891\_at M77698 /FEATURE= /DEFINITION=HUMKRP Homo sapiens GLI-Krupple related prot
- 15 818\_s\_at U72936 /FEATURE= /DEFINITION=HSU72936 Homo sapiens putative DNA depende
- 763\_at AB001106 /FEATURE= /DEFINITION=AB001106 Homo sapiens mRNA for glia matura
- METAGENE 158 :
- 20 31638\_at Cluster Incl. AC005329:Homo sapiens chromosome 19, cosmid R34382 /cds=(
- 41047\_at Cluster Incl. AI885170:wl90e10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41603\_at Cluster Incl. U02609:Human transducin-like protein mRNA, complete cds /
- 32117\_at Cluster Incl. U51698:HSU51698 Homo sapiens cDNA /gb=U51698 /gi=1255268
- 25 33713\_at Cluster Incl. AJ005895:Homo sapiens mRNA for (JM3) preprotein transloca
- 36841\_at Cluster Incl. AA811338:ob81g05.s1 Homo sapiens cDNA /clone=IMAGE-133781
- 40452\_at Cluster Incl. U83246:Homo sapiens copine I mRNA, complete cds /cds=(156
- 40817\_at Cluster Incl. M96824:Human nucleobindin precursor mRNA, complete cds /c
- 34868\_at Cluster Incl. AB029012:Homo sapiens mRNA for KIAA1089 protein, partial
- 30 35308\_at Cluster Incl. D83200:Homo sapiens mRNA expressed in placenta /cds=UNKNO
- 35768\_at Cluster Incl. AB014561:Homo sapiens mRNA for KIAA0661 protein, complete
- 37768\_at Cluster Incl. M74905:Human 3-alkyladenine DNA glycosylase (HAAG) mRNA,
- 39825\_at Cluster Incl. L77567:Homo sapiens mitochondrial citrate transport prote
- 39863\_at Cluster Incl. AB002294:Human mRNA for KIAA0296 gene, complete cds /cds=
- 35 40549\_at Cluster Incl. L04658:Homo sapiens gene sequence /cds=UNKNOWN /gb=L04658
- 32523\_at Cluster Incl. M20470:Human lymphocyte clathrin light-chain B mRNA, comp
- 1550\_at U19796 /FEATURE= /DEFINITION=HSU19796 Human melanoma antigen p15 mRNA, c
- 1206\_at X66364 /FEATURE=cds /DEFINITION=HSSTHPKE H.sapiens mRNA PSSALRE for seri
- 868\_at U13991 /FEATURE= /DEFINITION=HSU13991 Human TATA-binding protein associat

283\_at L16842 /FEATURE= /DEFINITION=HUMMITCORA Human ubiquinol cytochrome-c  
redu

# METAGENE 159 :

5

32919\_at Cluster Incl. AC004010:Human BAC clone GS099H08 /cds=(0,1568) /gb=AC004  
32083\_at Cluster Incl. AF027826:Homo sapiens putative seven pass transmembrane p  
37006\_at Cluster Incl. AI660656:wf23c07.x1 Homo sapiens cDNA, 3 end /clone=IMAG

# 10 METAGENE 160 :

41039\_at Cluster Incl. AL022476:dJ323M22.2.1 (novel protein similar to KIAA0173  
41370\_at Cluster Incl. AF090988:Homo sapiens U5 snRNP-specific 40 kDa protein mR  
41640\_at Cluster Incl. AL031427:dJ167A19.1 (novel protein) /cds=(122,1042) /gb=A  
15 31868\_at Cluster Incl. AF060798:Homo sapiens myristilated and palmitylated serin  
34758\_at Cluster Incl. U23028:Human eukaryotic initiation factor 2B-epsilon mRNA  
37211\_at Cluster Incl. M93107:Homo sapiens heart (R)-3-hydroxybutyrate dehydroge  
38983\_at Cluster Incl. AI223047:qg70a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
39001\_at Cluster Incl. AF047470:Homo sapiens malate dehydrogenase precursor (MDH  
20 39391\_at Cluster Incl. AF052135:Homo sapiens clone 23625 mRNA sequence /cds=UNKN  
39420\_at Cluster Incl. S62138:TLS/CHOP=hybrid gene {translocation breakpoint} [h  
40110\_at Cluster Incl. U49283:Human NAD<sup>+</sup>-specific isocitrate dehydrogenase beta  
40112\_at Cluster Incl. AA522698:ni39d03.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
40462\_at Cluster Incl. AF055022:Homo sapiens clone 24684 mRNA sequence /cds=UNKN  
25 40515\_at Cluster Incl. AF035280:Homo sapiens clone 23689 mRNA, complete cds /cds  
32212\_at Cluster Incl. AL049703:Human gene from PAC 179D3, chromosome X, isoform  
32245\_at Cluster Incl. AF014837:Homo sapiens m6A methyltransferase (MT-A70) gene  
33854\_at Cluster Incl. AA877795:nr10g08.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
37321\_at Cluster Incl. U46570:Human tetratricopeptide repeat protein (tpr1) mRNA  
30 37659\_at Cluster Incl. L42572:Homo sapiens p87/89 gene, complete cds /cds=(92,23  
37751\_at Cluster Incl. D87444:Human mRNA for KIAA0255 gene, complete cds /cds=(3  
38811\_at Cluster Incl. D82348:Homo sapiens mRNA for 5-aminoimidazole-4-carboxami  
32539\_at Cluster Incl. U51205:Human COP9 homolog (HCOP9) mRNA, complete cds /cds  
1842\_at Oncogene Tls/Chop, Fusion Activated  
35 1314\_at D44466 /FEATURE= /DEFINITION=D44466 Homo sapiens mRNA for proteasome sub  
356\_at AB017430 /FEATURE= /DEFINITION=AB017430 Homo sapiens mRNA for kinesin-lik  
109\_at Z97074 /FEATURE= /DEFINITION=HSRAB9P40 Homo sapiens mRNA for Rab9 effecto

# METAGENE 161 :

36872\_at Cluster Incl. AL120559:DKFZp761B219\_r1 Homo sapiens cDNA, 5' end /clone  
 36997\_at Cluster Incl. J04809:Human cytosolic adenylate kinase (AK1) gene, compl  
 1379\_at M59371 /FEATURE=mRNA /DEFINITION=HUMECK Human protein tyrosine kinase mRNA

5

METAGENE 162 :

31463\_s\_at Cluster Incl. AL022097:Homo sapiens DNA sequence from PAC 256G22 on c  
 31546\_at Cluster Incl. L11566:Homo sapiens ribosomal protein L18 (RPL18) mRNA, c  
 10 31584\_at Cluster Incl. X16064:Human mRNA for translationally controlled tumor pr  
 32432\_f\_at Cluster Incl. L25899:Human ribosomal protein L10 mRNA, complete cds /  
 32433\_at Cluster Incl. Z97353:Human DNA sequence from clone 90L6 on chromosome 2  
 32437\_at Cluster Incl. U14970:Human ribosomal protein S5 mRNA, complete cds /cds  
 32440\_at Cluster Incl. X53777:Human L23 mRNA for putative ribosomal protein /cds  
 15 33614\_at Cluster Incl. X80822:H.sapiens mRNA for ORF /cds=(133,555) /gb=X80822 /  
 33660\_at Cluster Incl. U14966:Human ribosomal protein L5 mRNA, complete cds /cds  
 33668\_at Cluster Incl. AF037643:Homo sapiens 60S ribosomal protein L12 (RPL12) p  
 34570\_at Cluster Incl. S79522:ubiquitin carboxyl extension protein [human, mRNA,  
 34592\_at Cluster Incl. M13932:Human ribosomal protein S17 mRNA, complete cds /cd  
 20 34609\_g\_at Cluster Incl. M24194:Human MHC protein homologous to chicken B comple  
 34645\_at Cluster Incl. X55715:Human Hums3 mRNA for 40S ribosomal protein s3 /cds  
 34646\_at Cluster Incl. Z25749:H.sapiens gene for ribosomal protein S7 /cds=(81,6  
 35125\_at Cluster Incl. X67309:H.sapiens gene for ribosomal protein S6 /cds=(42,7  
 36333\_at Cluster Incl. X57958:H.sapiens mRNA for ribosomal protein L7 /cds=(22,7  
 25 36358\_at Cluster Incl. U09953:Human ribosomal protein L9 mRNA, complete cds /cds  
 32330\_at Cluster Incl. X06617:Human mRNA for ribosomal protein S11 /cds=(15,491)  
 32337\_at Cluster Incl. U25789:Human ribosomal protein L21 mRNA, complete cds /cd  
 32341\_f\_at Cluster Incl. U37230:Human ribosomal protein L23a mRNA, complete cds  
 36786\_at Cluster Incl. AL022721:dJ109F14.2 (60S Ribosomal Protein RPL10A) /cds=(  
 30 39025\_at Cluster Incl. AI557912:pro3.2-2.E07.r Homo sapiens cDNA, 5' end /clone\_  
 39418\_at Cluster Incl. AJ007398:Homo sapiens mRNA for PBK1 protein /cds=(5,1558)  
 40435\_at Cluster Incl. J03592:Human ADP/ATP translocase mRNA, 3' end, clone pHAT  
 41152\_f\_at Cluster Incl. T89651:yd99a05.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 32843\_s\_at Cluster Incl. M30448:Human casein kinase II beta subunit mRNA, comple  
 35 34316\_at Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-  
 34317\_g\_at Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 34380\_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(  
 37724\_at Cluster Incl. V00568:Human mRNA encoding the c-myc oncogene /cds=(558,1  
 39173\_at Cluster Incl. X56597:Human humFib mRNA for fibrillarin /cds=(59,1024) /

- 39830\_at Cluster Incl. AA044823:zk72a10.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32576\_at Cluster Incl. U94855:Homo sapiens translation initiation factor 3 47 kD  
 33116\_f\_at Cluster Incl. AA977163:oq25a04.s1 Homo sapiens cDNA, 3 end /clone=IM  
 33117\_r\_at Cluster Incl. AA977163:oq25a04.s1 Homo sapiens cDNA, 3 end /clone=IM  
 5 1973\_s\_at V00568 /FEATURE=cds /DEFINITION=HSMYC1 Human mRNA encoding the  
 c-myc o  
 1653\_at M84711 /FEATURE= /DEFINITION=HUMFTE1A Human v-fos transformation effecto  
 1151\_at Epstein-Barr Virus Small Rna-Associated Protein  
 571\_at M86667 /FEATURE= /DEFINITION=HUMNAP H.sapiens NAP (nucleosome assembly pr  
 10 326\_i\_at Ribosomal Protein S20

## METAGENE 163 :

- 34041\_at Cluster Incl. U83171:Human macrophage-derived chemokine precursor (MDC)  
 15 37511\_at Cluster Incl. AB030506:Homo sapiens mRNA for B9, complete cds /cds=(158

## METAGENE 164 :

- 41665\_at Cluster Incl. AB020631:Homo sapiens mRNA for KIAA0824 protein, partial  
 20 34697\_at Cluster Incl. AF074264:Homo sapiens LDL receptor-related protein 6 (LRP  
 36024\_at Cluster Incl. S79048:LPRP=pHL EIF1 [human, lacrimal gland, mRNA Partial  
 39762\_at Cluster Incl. AB007885:Homo sapiens KIAA0425 mRNA, complete cds /cds=(1  
 40811\_at Cluster Incl. AB011148:Homo sapiens mRNA for KIAA0576 protein, partial  
 33378\_at Cluster Incl. AB019494:Homo sapiens IDN3 mRNA, partial cds /cds=(706,75  
 25 33839\_at Cluster Incl. D26350:Human mRNA for type 2 inositol 1,4,5-trisphosphate  
 36633\_at Cluster Incl. AA114830:zk88e06.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 37338\_at Cluster Incl. D61391:Human mRNA for phosphoribosypyrophosphate syntheta  
 38016\_at Cluster Incl. M94630:Homo sapiens hnRNP-C like protein mRNA, complete c  
 38400\_at Cluster Incl. AI920820:wn82e10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 30 38479\_at Cluster Incl. Y07969:H.sapiens mRNA for APRIL protein /cds=(230,979) /g  
 41338\_at Cluster Incl. AI951946:wx39f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1460\_g\_at M68941 /FEATURE=mRNA /DEFINITION=HUMPTYPH Human protein-  
 tyrosine phosph

## 35 METAGENE 165 :

- 38921\_at Cluster Incl. U86078:Homo sapiens calmodulin-stimulated phosphodiesterase  
 40716\_at Cluster Incl. AL049274:Homo sapiens mRNA; cDNA DKFZp564H203 (from  
 clone

32248\_at Cluster Incl. AL045811:DKFZp434H166\_r1 Homo sapiens cDNA, 5 end /clone  
 815\_at U70987 /FEATURE= /DEFINITION=HSU70987 Human GAP binding protein p62dok (D  
 539\_at S59184 /FEATURE= /DEFINITION=S59184 RYK=related to receptor tyrosine kina

## 5 METAGENE 166 :

38554\_at Cluster Incl. AA903720:ok60c02.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35705\_at Cluster Incl. D16815:Homo sapiens mRNA for EAR-1r, complete cds /cds=(3  
 33172\_at Cluster Incl. T75292:yc89b05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 10 1786\_at U08023 /FEATURE= /DEFINITION=HSU08023 Human cellular proto-oncogene (c-m  
 1236\_s\_at M89914 /FEATURE= /DEFINITION=HUMNF1B Human neurofibromin (NF1)  
 gene, c  
 588\_at M31724 /FEATURE=mRNA /DEFINITION=HUMPTPBX Human phosphotyrosyl-protein  
 ph

## 15

### METAGENE 167 :

35599\_at Cluster Incl. X62250:H.sapiens mRNA for liver glycine methyltransferase  
 32969\_r\_at Cluster Incl. Y12661:H.sapiens vgf gene /cds=(212,2062) /gb=Y12661 /g  
 20 34529\_at Cluster Incl. W26760:12d6 Homo sapiens cDNA /gb=W26760 /gi=1305844 /ug=  
 36310\_at Cluster Incl. X86570:Homo sapiens mRNA for acidic hair keratin 1 /cds=(  
 37085\_g\_at Cluster Incl. AF088219:Homo sapiens CC chemokine gene cluster, comple  
 37589\_at Cluster Incl. AL109698:Homo sapiens mRNA full length insert cDNA clone  
 37590\_g\_at Cluster Incl. AL109698:Homo sapiens mRNA full length insert cDNA clon  
 25 36984\_f\_at Cluster Incl. X89214:H.sapiens mRNA for haptoglobin related protein /

### METAGENE 168 :

33572\_at Cluster Incl. U78722:Homo sapiens zinc finger protein 165 (Zpf165) mRNA  
 30 38589\_i\_at Cluster Incl. M14630:Human prothymosin alpha mRNA, complete cds /cds=  
 41667\_s\_at Cluster Incl. AJ006068:Homo sapiens mRNA for dTDP-D-glucose 4,6-dehyd  
 36060\_at Cluster Incl. U51920:Human signal recognition particle (SRP54) mRNA, co  
 36913\_at Cluster Incl. U75679:Human histone stem-loop binding protein (SLBP) mRN  
 37533\_r\_at Cluster Incl. D86980:Human mRNA for KIAA0227 gene, partial cds /cds=(  
 35 37640\_at Cluster Incl. M31642:Human hypoxanthine phosphoribosyltransferase (HPRT  
 37971\_at Cluster Incl. AL050089:Homo sapiens mRNA; cDNA DKFZp586E0518 (from  
 clon  
 38708\_at Cluster Incl. AF054183:Homo sapiens GTP binding protein mRNA, complete  
 39056\_at Cluster Incl. X53793:H.sapiens ADE2H1 mRNA showing homologies to SAICAR

	39079_at	Cluster Incl. D85758: Homo sapiens mRNA for human protein homologous to
	39337_at	Cluster Incl. M37583: Human histone (H2A.Z) mRNA, complete cds /cds=(106
	39353_at	Cluster Incl. AI912041: wd84b06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	39354_at	Cluster Incl. D14662: Human mRNA for KIAA0106 gene, complete cds /cds=(4
5	40407_at	Cluster Incl. U28386: Human nuclear localization sequence receptor hSRP1
	32789_at	Cluster Incl. AA149428: zl26a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32849_at	Cluster Incl. D80000: Human mRNA for KIAA0178 gene, partial cds /cds=(0,
	34327_at	Cluster Incl. Z46606: H.sapiens HLTF gene for helicase-like transcriptio
	35272_at	Cluster Incl. AI541042: pec1.2-1.D12.r Homo sapiens cDNA, 5 end /clone_
10	35810_at	Cluster Incl. AI525393: PT1.1_07_A11.r Homo sapiens cDNA, 5 end /clone_
	36098_at	Cluster Incl. M72709: Human alternative splicing factor mRNA, complete c
	36188_at	Cluster Incl. D32257: Human GTF3A mRNA for Xenopus transcription factor
	36576_at	Cluster Incl. AF054174: Homo sapiens histone macroH2A1.2 mRNA, complete
	36597_at	Cluster Incl. D21262: Human mRNA for KIAA0035 gene, partial cds /cds=(0,
15	36992_at	Cluster Incl. AI653621: tz21b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37720_at	Cluster Incl. M22382: Human mitochondrial matrix protein P1 (nuclear enc
	38065_at	Cluster Incl. X62534: H.sapiens HMG-2 mRNA /cds=(214,843) /gb=X62534 /gi
	38395_at	Cluster Incl. X61100: Human mRNA for mitochondrial 75 kDa iron sulphur p
	38399_at	Cluster Incl. AL034428: Human DNA sequence from clone 705D16 on chromoso
20	39092_at	Cluster Incl. AW007731: wt68d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40198_at	Cluster Incl. L06132: Human voltage-dependent anion channel isoform 1 (V
	41278_at	Cluster Incl. AF041474: Homo sapiens BAF53a (BAF53a) mRNA, complete cds
	41506_at	Cluster Incl. AF032437: Homo sapiens mitogen activated protein kinase ac
	41569_at	Cluster Incl. AI680675: tx40a08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
25	32615_at	Cluster Incl. J05032: Human aspartyl-tRNA synthetase alpha-2 subunit mRN
	2003_s_at	U28946 /FEATURE= /DEFINITION=HSU28946 Human G/T mismatch binding
	prote	
	1884_s_at	M15796 /FEATURE= /DEFINITION=HUMCYL Human cyclin protein gene,
	complet	
30	1803_at	X05360 /FEATURE=cds /DEFINITION=HSCDC2 Human CDC2 gene involved in cell
	1178_at	Dihydrofolate Reductase, Alt. Splice 6
	843_at	U48296 /FEATURE= /DEFINITION=HSU48296 Homo sapiens protein tyrosine phosph
	674_g_at	J04031 /FEATURE= /DEFINITION=HUMMDMCSF Human
	methylenetetrahydrofolate	
35	575_s_at	M93036 /FEATURE=mRNA /DEFINITION=HUMGA7A08 Human (clone
	21726)	carcinom
	155_s_at	U61397 /FEATURE= /DEFINITION=HSU61397 Human ubiquitin-homology
	domain p	

## METAGENE 169 :

- 32921\_at Cluster Incl. X83300:H.sapiens SMA4 mRNA /cds=(66,488) /gb=X83300 /gi=6  
 35442\_at Cluster Incl. AB007958:Homo sapiens mRNA, chromosome 1 specific transcr  
**5** 32125\_at Cluster Incl. AA928996:oo27f06.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38308\_g\_at Cluster Incl. AB011179:Homo sapiens mRNA for KIAA0607 protein, partia  
 38022\_s\_at Cluster Incl. Z54367:H.sapiens gene for plectin /cds=(0,14054) /gb=Z5  
 40951\_at Cluster Incl. AL049250:Homo sapiens mRNA; cDNA DKFZp564D113 (from  
 clone  
**10** 41291\_at Cluster Incl. AC004528:Homo sapiens chromosome 19, cosmid R32184 /cds=(  
 41800\_s\_at Cluster Incl. U46571:Human tetratricopeptide repeat protein (tpr2) mR  
 2000\_at U26455 /FEATURE= /DEFINITION=HSU26455 Human phosphatidylinositol 3-kinas

## METAGENE 170 :

- 15**  
 36229\_at Cluster Incl. U58917:Homo sapiens IL-17 receptor mRNA, complete cds /cd  
 38242\_at Cluster Incl. AF068180:Homo sapiens B cell linker protein BLNK mRNA, al  
 40732\_at Cluster Incl. D83243:Human NPAT mRNA, complete cds /cds=(66,4349) /gb=D  
 31895\_at Cluster Incl. AB002803:Homo sapiens BACH1 mRNA, complete cds /cds=(118,  
**20** 39039\_s\_at Cluster Incl. AI557497:Pt2.1\_16\_A04.r Homo sapiens cDNA, 3 end /clon  
 39040\_at Cluster Incl. W28360:46f9 Homo sapiens cDNA /gb=W28360 /gi=1308371 /ug=  
 34306\_at Cluster Incl. AB007888:Homo sapiens KIAA0428 mRNA, complete cds /cds=(1  
 36579\_at Cluster Incl. D50916:Human mRNA for KIAA0126 gene, complete cds /cds=(7  
 36679\_at Cluster Incl. X06272:Human mRNA for docking protein (signal recognition  
**25** 37036\_at Cluster Incl. AB002299:Human mRNA for KIAA0301 gene, partial cds /cds=(  
 37348\_s\_at Cluster Incl. AA845349:ak01g01.s1 Homo sapiens cDNA, 3 end /clone=IM  
 1094\_g\_at M65254 /FEATURE= /DEFINITION=HUMP2B Protein phosphatase 2A 65 kDa  
 regu  
 1038\_s\_at U19247 /FEATURE=mRNA /DEFINITION=HSINFGRA7 Homo sapiens  
**30** interferon-gam U28014 /FEATURE= /DEFINITION=HSU28014 Human cysteine protease  
 195\_s\_at (ICERel-I

## METAGENE 171 :

- 35**  
 34006\_s\_at Cluster Incl. L26318:Human protein kinase (JNK1) mRNA, complete cds /  
 37562\_at Cluster Incl. L11370:Human protocadherin 42 mRNA, complete cds for abbr  
 40445\_at Cluster Incl. AF017307:Homo sapiens Ets-related transcription factor (E  
 33448\_at Cluster Incl. AB000095:Homo sapiens mRNA for hepatocyte growth factor a



- 34348\_at Cluster Incl. U78095:Homo sapiens placental bikunin mRNA, complete cds  
 36951\_at Cluster Incl. U39400:Human NOF1 mRNA, complete cds /cds=(13,513) /gb=U3  
 41310\_f\_at Cluster Incl. X12794:Human v-erbA related ear-2 gene /cds=(0,1211) /g  
 2089\_s\_at H06628 /FEATURE= /DEFINITION=H06628 yl82g03.r1 Soares infant brain 1NI  
 5 1641\_s\_at U32986 /FEATURE= /DEFINITION=HSU32986 Human xeroderma pigmentosum  
 grou  
 1218\_at X12794 /FEATURE=cds /DEFINITION=HSEAR2 Human v-erbA related ear-2 gene

## METAGENE 172 :

10

- 36266\_at Cluster Incl. U79275:Human clone 23947 mRNA, partial cds /cds=(0,401) /  
 41688\_at Cluster Incl. AI688299:wc87h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41200\_at Cluster Incl. Z22555:H.sapiens encoding CLA-1 mRNA /cds=(69,1598) /gb=Z  
 540\_at S67070 /FEATURE= /DEFINITION=S67070 heat shock protein HSP72 homolog [hum  
 15 110\_at X96753 /FEATURE=cds /DEFINITION=HSMCSP H.sapiens mRNA for melanoma-associ

## METAGENE 173 :

- 1454\_at U68019 /FEATURE= /DEFINITION=HSU68019 Homo sapiens mad protein homolog (  
 20 1237\_at S81914 /FEATURE= /DEFINITION=S81914 IEX-1=radiation-inducible immediate-  
 497\_at U32680 /FEATURE= /DEFINITION=HSU32680 Human CLN3 mRNA, complete cds

## METAGENE 174 :

- 25 31317\_r\_at Cluster Incl. M21388:Human unproductively rearranged Ig mu-chain mRNA  
 33580\_r\_at Cluster Incl. Z97630:Human DNA sequence from clone 466N1 on chromosom  
 33587\_f\_at Cluster Incl. AI369146:qy74f11.x1 Homo sapiens cDNA, 3 end /clone=IM  
 34146\_at Cluster Incl. AB019529:Homo sapiens mRNA for OGG1 protein type 2c, part  
 35512\_at Cluster Incl. AC005764:Homo sapiens chromosome 19, cosmid R31343 /cds=(  
 30 35941\_f\_at Cluster Incl. U91329:Human kinesin-like motor protein KIF1C mRNA, com  
 36226\_r\_at Cluster Incl. W27611:35b9 Homo sapiens cDNA /gb=W27611 /gi=1307559 /u  
 37413\_at Cluster Incl. J05257:Homo sapiens (clones MDP4, MDP7) microsomal dipept  
 38512\_r\_at Cluster Incl. D26158:Homo sapiens mRNA for PLE21 protein, complete cd  
 38564\_at Cluster Incl. U40152:Human origin recognition complex 1 (HsORC1) mRNA,  
 35 40006\_at Cluster Incl. U63090:Human Gal beta-1,3 GalNAc alpha-2,3 sialyltransfer  
 34294\_at Cluster Incl. AL041493:DKFZp434F2117\_s1 Homo sapiens cDNA, 3 end /clon  
 34692\_r\_at Cluster Incl. AF006087:Homo sapiens Arp2/3 protein complex subunit p2  
 37969\_at Cluster Incl. M59979:Human prostaglandin endoperoxide synthase mRNA, co  
 39512\_s\_at Cluster Incl. AA457029:aa38b10.s1 Homo sapiens cDNA, 3 end /clone=IM

- 40206\_at Cluster Incl. AI767675:wh38d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40565\_at Cluster Incl. AI358867:qy24a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40960\_at Cluster Incl. D29805:Human mRNA for beta-1,4-galactosyltransferase, com  
 32505\_at Cluster Incl. W28652:50f5 Homo sapiens cDNA /gb=W28652 /gi=1308663 /ug=  
 5 32520\_at Cluster Incl. M24900:Human triiodothyronine recptor (THRA1, ear1), and  
 1019\_g\_at U81787 /FEATURE= /DEFINITION=HSU81787 Human Wnt10B mRNA,  
 complete cds  
 441\_s\_at X13967 /FEATURE=cds /DEFINITION=HSLIF Human mRNA for leukaemia  
 inhibito
- 10 METAGENE 175 :
- 40400\_at Cluster Incl. L22214:Human adenosine A1 receptor (ADORA1) mRNA exons 1-  
 35191\_at Cluster Incl. AB002373:Human mRNA for KIAA0375 gene, complete cds /cds=  
 15 37553\_at Cluster Incl. D50863:Human mRNA for TESK1, complete cds /cds=(272,2152)  
 39721\_at Cluster Incl. U09303:Human T cell leukemia LERK-2 (EPLG2) mRNA, complet  
 41545\_at Cluster Incl. X66365:H.sapiens mRNA PLSTIRE for serine/threonine protei  
 222\_at S79639 /FEATURE= /DEFINITION=S79639 EXT1=putative tumour suppressor/hered
- 20 METAGENE 176 :
- 32317\_s\_at Cluster Incl. U34804:Human thermostable phenol sulfotransferase (STP2  
 31804\_f\_at Cluster Incl. X78283:H.sapiens mRNA for aryl sulfotransferase (ST1A3)  
 33232\_at Cluster Incl. AI017574:ou23f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 25 40103\_at Cluster Incl. X51521:Human mRNA for ezrin /cds=(117,1877) /gb=X51521 /g  
 39089\_at Cluster Incl. Y07604:H.sapiens mRNA for nucleoside-diphosphate kinase /  
 39162\_at Cluster Incl. AA156987:zl19b05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- METAGENE 177 :
- 30 33991\_g\_at Cluster Incl. U22961:Human mRNA clone with similarity to L-glycerol-3  
 39385\_at Cluster Incl. M22324:Human aminopeptidase N/CD13 mRNA encoding aminopep
- METAGENE 178 :
- 35 32392\_s\_at Cluster Incl. M57951:Human bilirubin UDP-glucuronosyltransferase isoz  
 35013\_at Cluster Incl. AF013512:untitled /cds=(106,1551) /gb=AF013512 /gi=265381  
 36233\_at Cluster Incl. AF091242:Homo sapiens ATP sulfurylase/APS kinase 2 mRNA,  
 37482\_at Cluster Incl. U37100:Homo sapiens aldose reductase-like peptide mRNA, c

- 38606\_at Cluster Incl. U32989:Human tryptophan oxygenase (TDO) mRNA, complete cd  
 40671\_g\_at Cluster Incl. AI148772:qc69h01.x1 Homo sapiens cDNA, 3 end /clone=IM  
 40672\_at Cluster Incl. U57721:Human L-kynurenine hydrolase mRNA, complete cds /c  
 41096\_at Cluster Incl. AI126134:qd77c05.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 5 41471\_at Cluster Incl. W72424:zd66a09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 32805\_at Cluster Incl. U05861:Human hepatic dihydrodiol dehydrogenase gene /cds=  
 35315\_at Cluster Incl. X02544:Human mRNA for alpha1-acid glycoprotein (orosomuco  
 38789\_at Cluster Incl. L12711:Homo sapiens transketolase (tk) mRNA, complete cds  
 40541\_at Cluster Incl. X01630:Human mRNA for argininosuccinate synthetase /cds=(  
 10 576\_at M93718 /FEATURE= /DEFINITION=HUMNIOXSYN Human nitric oxide synthase  
 mRNA,

## METAGENE 179 :

- 15 36329\_at Cluster Incl. U33147:Human mammaglobin mRNA, complete cds /cds=(60,341)  
 41066\_at Cluster Incl. AF071219:Homo sapiens mammaglobin B precursor, mRNA, comp

## METAGENE 180 :

- 20 35242\_at Cluster Incl. X66362:H.sapiens mRNA PCTAIRE-3 for serine/threonine prot  
 40789\_at Cluster Incl. U54645:Human adenylate kinase 2B (adk2b) gene, complete c  
 32239\_at Cluster Incl. U69263:Human matrilin-2 precursor mRNA, partial cds /cds=  
 35263\_at Cluster Incl. N73769:za61g08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 1490\_at M19720 /FEATURE=mRNA#2 /DEFINITION=HUMMYC3L Human L-myc protein gene,  
 25 co  
 1438\_at X75208 /FEATURE=cds /DEFINITION=HSPTKR H.sapiens HEK2 mRNA for protein t

## METAGENE 181 :

- 30 31480\_f\_at Cluster Incl. L18877:Human MAGE-12 protein gene, complete cds /cds=(7  
 31599\_f\_at Cluster Incl. U10691:Human MAGE-6 antigen (MAGE6) gene, complete cds  
 34575\_f\_at Cluster Incl. U10689:Human MAGE-5a antigen (MAGE5a) gene, complete cd  
 33517\_f\_at Cluster Incl. U03735:Human MAGE-3 antigen (MAGE-3) gene, complete cds  
 33518\_f\_at Cluster Incl. L18920:Human MAGE-2 gene exons 1-4, complete cds /cds=(

35

## METAGENE 182 :

- 37809\_at Cluster Incl. U41813:Human class I homeoprotein (HOXA9) mRNA, partial c  
 35226\_at Cluster Incl. U71207:Human eyes absent homolog (Eab1) mRNA, complete cd

- 37251\_s\_at Cluster Incl. AF016004:Homo sapiens m6b1 mRNA, complete cds /cds=(254  
 37701\_at Cluster Incl. L13463:Human helix-loop-helix basic phosphoprotein (G0S8)  
 873\_at M26679 /FEATURE=expanded\_cds /DEFINITION=HUMHOX13G Homo sapiens  
 homeobox  
 5 823\_at U84487 /FEATURE= /DEFINITION=HSU84487 Human CX3C chemokine precursor,  
 mRN

## METAGENE 183 :

- 10 32313\_at Cluster Incl. M12125:Human fibroblast muscle-type tropomyosin mRNA, com  
 34945\_at Cluster Incl. AF070526:Homo sapiens clone 24787 mRNA sequence /cds=UNKN  
 35917\_at Cluster Incl. W26631:34a8 Homo sapiens cDNA /gb=W26631 /gi=1307474 /ug=  
 37781\_at Cluster Incl. AB023138:Homo sapiens mRNA for KIAA0921 protein, partial  
 38950\_r\_at Cluster Incl. AJ005256:Homo sapiens mRNA for MMP-23 /cds=(38,1210) /g  
 15 40687\_at Cluster Incl. M96789:Homo sapiens connexin 37 (GJA4) mRNA, complete cds  
 41013\_at Cluster Incl. AL080114:Homo sapiens mRNA; cDNA DKFZp586M2022 (from  
 clon  
 31856\_at Cluster Incl. Z24680:H.sapiens gap gene mRNA, complete CDS /cds=(94,20  
 31892\_at Cluster Incl. X58288:H.sapiens hR-PTPu gene for protein tyrosine phosph  
 20 32057\_at Cluster Incl. U32907:Human p37NB mRNA, complete cds /cds=(281,1222) /gb  
 32076\_at Cluster Incl. D83407:ZAKI-4 mRNA in human skin fibroblast, complete cds  
 34235\_at Cluster Incl. AB018301:Homo sapiens mRNA for KIAA0758 protein, partial  
 34730\_g\_at Cluster Incl. AB029037:Homo sapiens mRNA for KIAA1114 protein, comple  
 35146\_at Cluster Incl. AB007836:Homo sapiens mRNA for Hic-5, partial cds /cds=(0  
 25 35168\_f\_at Cluster Incl. M92642:Homo sapiens alpha-1 type XVI collagen (COL16A1)  
 36025\_at Cluster Incl. AB002335:Human mRNA for KIAA0337 gene, complete cds /cds=  
 37906\_at Cluster Incl. Z37976:H.sapiens mRNA for latent transforming growth fact  
 38312\_at Cluster Incl. AL050002:Homo sapiens mRNA; cDNA DKFZp564O222 (from  
 clone  
 30 38351\_at Cluster Incl. AL050154:Homo sapiens mRNA; cDNA DKFZp586L0120 (from  
 clon  
 38652\_at Cluster Incl. AF070644:Homo sapiens clone 24742 mRNA sequence /cds=UNKN  
 39026\_r\_at Cluster Incl. AF052114:Homo sapiens clone 23887 mRNA sequence /cds=UN  
 39031\_at Cluster Incl. AA152406:zo07f01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35 39750\_at Cluster Incl. W61005:zd29a11.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 32845\_at Cluster Incl. M85289:Human heparan sulfate proteoglycan (HSPG2) mRNA, c  
 33387\_at Cluster Incl. AB007854:Homo sapiens KIAA0394 mRNA, complete cds /cds=(1  
 34303\_at Cluster Incl. AL049949:Homo sapiens mRNA; cDNA DKFZp564L0822 (from  
 clon

- 34320\_at Cluster Incl. AL050224:Homo sapiens mRNA; cDNA DKFZp586L2123 (from  
clon
- 36659\_at Cluster Incl. X05610:Human mRNA for type IV collagen alpha (2) chain /c
- 36931\_at Cluster Incl. M95787:Human 22kDa smooth muscle protein (SM22) mRNA, com
- 5 37375\_at Cluster Incl. AB014538:Homo sapiens mRNA for KIAA0638 protein, partial
- 37765\_at Cluster Incl. X54162:Human mRNA for a 64 Kd autoantigen expressed in th
- 38761\_s\_at Cluster Incl. AA487755:ab13f01.r1 Homo sapiens cDNA, 5 end /clone=IM
- 39145\_at Cluster Incl. J02854:Human 20-kDa myosin light chain (MLC-2) mRNA, comp
- 39521\_at Cluster Incl. U55054:Human K-CI cotransporter (hKCC1) mRNA, complete cd
- 10 40560\_at Cluster Incl. U28049:Human TBX2 (TXB2) mRNA, complete cds /cds=(47,2155
- 1767\_s\_at X14885 /FEATURE=mRNA /DEFINITION=HSTGF31 H.sapiens gene for  
transformi
- 1664\_at Insulin-Like Growth Factor 2
- 995\_g\_at X58288 /FEATURE=mRNA /DEFINITION=HSHRPTPU H.sapiens hR-PTPu
- 15 gene for pr

## METAGENE 184 :

- 41073\_at Cluster Incl. AI743745:wg53d06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 20 1683\_at X69950 /FEATURE=exon#2 /DEFINITION=HSWT1WIT H.sapiens DNA sequence for W

## METAGENE 185 :

- 35130\_at Cluster Incl. X15722:Human mRNA for glutathione reductase (EC 1.6.4.2)
- 25 32954\_at Cluster Incl. U79263:Human clone 23760 mRNA, partial cds /cds=(0,1021)
- 34484\_at Cluster Incl. AI961669:wt65e11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36783\_f\_at Cluster Incl. M55422:Human Krueppel-related zinc finger protein (H-pl
- 32626\_at Cluster Incl. M90516:Human glutamine-fructose-6-phosphate amidotransfer
- 34667\_at Cluster Incl. U15306:Human cysteine-rich sequence-specific DNA-binding
- 30 34683\_at Cluster Incl. U63289:Human RNA-binding protein CUG-BP/hNab50 (NAB50) mR
- 37913\_at Cluster Incl. J00140:Human dihydrofolate reductase gene /cds=(42,605) /
- 40784\_at Cluster Incl. Z69030:H.sapiens mRNA for gamma 1 isoform of 61kDa regula
- 40785\_g\_at Cluster Incl. Z69030:H.sapiens mRNA for gamma 1 isoform of 61kDa regu
- 40846\_g\_at Cluster Incl. U10324:Human nuclear factor NF90 mRNA, complete cds /cd
- 35 32185\_at Cluster Incl. U00946:Human clone A9A2BRB5 (CAC)n/(GTG)n repeat-containi
- 32790\_at Cluster Incl. D59253:Human mRNA for NCBP interacting protein 1, complet
- 33823\_at Cluster Incl. D12676:Human mRNA for lysosomal sialoglycoprotein, comple
- 34855\_at Cluster Incl. X76770:H.sapiens PAP mRNA /cds=UNKNOWN /gb=X76770
- /gi=556

- 40621\_at Cluster Incl. U63809:Homo sapiens prostate apoptosis response protein p
- 41320\_s\_at Cluster Incl. U69609:Human transcriptional repressor (GCF2) mRNA, com
- 41598\_at Cluster Incl. AA890010:aj89h08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41842\_at Cluster Incl. AI701156:we10f09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 5 1986\_at X74594 /FEATURE=cds /DEFINITION=HSRB2P130 H.sapiens mRNA for Rb2/p130 pr
- 1660\_at D83004 /FEATURE= /DEFINITION=D83004 Human epidermoid carcinoma mRNA for
- 1617\_at D21205 /FEATURE= /DEFINITION=HUMERFP Human mRNA for estrogen responsive
- 1592\_at J04088 /FEATURE= /DEFINITION=HUMTOPII Human DNA topoisomerase II (top2)
- 944\_s\_at D49354 /FEATURE= /DEFINITION=HUMHSP70A Human mRNA for enhancer
- 10 protein
- 322\_at D88532 /FEATURE= /DEFINITION=D88532 Homo sapiens mRNA for p55pik, complet
- 160027\_s\_at Y00285 /FEATURE=cds /DEFINITION=HSIGFIIR Human mRNA for insuline-lik
- 15 METAGENE 186 :
- 32378\_at Cluster Incl. M26252:Human TCB gene encoding cytosolic thyroid hormone-
- 39322\_at Cluster Incl. AL109693:Homo sapiens mRNA full length insert cDNA clone
- 33802\_at Cluster Incl. Z82244:bK286B10.2 (Heme Oxygenase 1 (HO-1, EC 1.14.99.3))
- 20 36465\_at Cluster Incl. U51127:Human interferon regulatory factor 5 (Humirf5) mRN
- 35820\_at Cluster Incl. X62078:H.sapiens mRNA for GM2 activator protein /cds=UNKN
- 38064\_at Cluster Incl. X79882:H.sapiens lrp mRNA /cds=(105,2795) /gb=X79882 /gi=
- 478\_g\_at U51127 /FEATURE= /DEFINITION=HSU51127 Human interferon regulatory facto
- 25 467\_at U63717 /FEATURE= /DEFINITION=HSU63717 Homo sapiens osteoclast stimulating
- METAGENE 187 :
- 32975\_g\_at Cluster Incl. U07563:Human ABL gene, exon 1b and intron 1b, and putat
- 30 37188\_at Cluster Incl. X92720:H.sapiens mRNA for phosphoenolpyruvate carboxykina
- 40778\_at Cluster Incl. AF035555:Homo sapiens short chain L-3-hydroxyacyl-CoA deh
- 32203\_at Cluster Incl. AA160708:zo72c02.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 36600\_at Cluster Incl. L07633:Homo sapiens (clone 1950.2) interferon-gamma IEF S
- 37311\_at Cluster Incl. AF010400:untitled /cds=(50,1063) /gb=AF010400 /gi=2612878
- 35 38089\_at Cluster Incl. D63478:Human mRNA for KIAA0144 gene, complete cds /cds=(1
- 33154\_at Cluster Incl. D26600:Human mRNA for proteasome subunit HsN3, complete c
- 1833\_at M68520 /FEATURE= /DEFINITION=HUMCDC2A Human cdc2-related protein kinase
- 1695\_at D23662 /FEATURE= /DEFINITION=HUMULP Homo sapiens mRNA for ubiquitin-like
- 1515\_at Rad2

1311\_at D26600 /FEATURE= /DEFINITION=HUMPSH3 Human mRNA for proteasome subunit H

#### METAGENE 188 :

- 5** 39598\_at Cluster Incl. X04325:Human liver mRNA for gap junction protein /cds=(62  
 35285\_at Cluster Incl. AF007216:Homo sapiens sodium bicarbonate cotransporter (H  
 39914\_r\_at Cluster Incl. W28976:54e5 Homo sapiens cDNA /gb=W28976 /gi=1308924 /u  
 1954\_at AF035121 /FEATURE= /DEFINITION=AF035121 Homo sapiens KDR/flk-1 protein m

#### **10** METAGENE 189 :

- 35837\_at Cluster Incl. AJ224677:Homo sapiens mRNA for scrapie responsive protein  
 41260\_at Cluster Incl. U59321:Human DEAD-box protein p72 (P72) mRNA, complete cd

#### **15** METAGENE 190 :

- 38163\_at Cluster Incl. AB018294:Homo sapiens mRNA for KIAA0751 protein, complete  
 38855\_s\_at Cluster Incl. D82343:Homo sapiens mRNA for AMY, complete cds /cds=(28  
 41395\_at Cluster Incl. AB003791:Homo sapiens mRNA for keratan sulfate Gal-6-sulf  
**20** 32103\_at Cluster Incl. M20786:Human alpha-2-plasmin inhibitor gene /cds=(4,1479)  
 34222\_at Cluster Incl. AL035289:H.sapiens gene from PAC 1026E2, partial /cds=(1,  
 33890\_at Cluster Incl. AB008109:Homo sapiens mRNA for RGS5, complete cds /cds=(8  
 36134\_at Cluster Incl. U79299:Human neuronal olfactomedin-related ER localized p

#### **25** METAGENE 191 :

- 37521\_s\_at Cluster Incl. H82458:yv80b07.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 38965\_at Cluster Incl. M55172:Human large aggregating cartilage proteoglycan cor  
 39207\_r\_at Cluster Incl. X17406:Human mRNA for cartilage specific proteoglycan /  
**30** 33738\_r\_at Cluster Incl. AI871359:wl81b11.x1 Homo sapiens cDNA, 3 end /clone=IM  
 39808\_at Cluster Incl. Y12692:Homo sapiens mRNA for WNT11 gene /cds=(123,1187) /  
 1346\_at S72043 /FEATURE=mRNA /DEFINITION=S72043 GIF=growth inhibitory factor [hu  
 586\_s\_at M31153 /FEATURE=cds /DEFINITION=HUMCYP178 Human steroid 17-alpha-hydrox

#### **35**

#### METAGENE 192 :

- 36215\_at Cluster Incl. M34181:Human testis-specific cAMP-dependent protein kinas  
 36745\_at Cluster Incl. AF035308:Homo sapiens clone 23798 and 23825 mRNA sequence

37605\_at Cluster Incl. L10347:Human pro-alpha1 type II collagen (COL2A1) gene ex  
 41544\_at Cluster Incl. AF059617:Homo sapiens serum-inducible kinase mRNA, comple  
 1197\_at D00654 /FEATURE=cds /DEFINITION=HUMACTSG7 Homo sapiens gene for enteric

## 5 METAGENE 193 :

41054\_at Cluster Incl. AB006628:Homo sapiens mRNA for KIAA0290 gene, partial cds  
 41423\_at Cluster Incl. AB018269:Homo sapiens mRNA for KIAA0726 protein, complete  
 39400\_at Cluster Incl. AB028978:Homo sapiens mRNA for KIAA1055 protein, partial  
 10 770\_at D00632 /FEATURE= /DEFINITION=HUMGSHPX A Homo sapiens mRNA for glutathione

## METAGENE 194 :

39611\_at Cluster Incl. AI557322:PT2.1\_16\_F11.r Homo sapiens cDNA, 3 end /clone\_  
 15 35720\_at Cluster Incl. AB020700:Homo sapiens mRNA for KIAA0893 protein, complete  
 36526\_at Cluster Incl. AF000416:Homo sapiens EXT-like protein 2 (EXTL2) mRNA, co  
 40069\_at Cluster Incl. AF051850:Homo sapiens supervillin mRNA, complete cds /cds  
 40805\_at Cluster Incl. AB007900:Homo sapiens KIAA0440 mRNA, partial cds /cds=(0,  
 41136\_s\_at Cluster Incl. Y00264:Human mRNA for amyloid A4 precursor of Alzheimer  
 20 41196\_at Cluster Incl. L38951:Homo sapiens importin beta subunit mRNA, complete  
 32182\_at Cluster Incl. AB023182:Homo sapiens mRNA for KIAA0965 protein, partial  
 33827\_at Cluster Incl. AL049783:Novel human gene mapping to chromosome 13 /cds=(1  
 35299\_at Cluster Incl. AB000409:Homo sapiens mRNA for MNK1, complete cds /cds=(1  
 36601\_at Cluster Incl. M33308:Human vinculin mRNA, complete cds /cds=(50,3250) /  
 25 38842\_at Cluster Incl. AB023206:Homo sapiens mRNA for KIAA0989 protein, partial

## METAGENE 195 :

35531\_at Cluster Incl. AB007933:Homo sapiens mRNA for KIAA0464 protein, complete  
 30 36761\_at Cluster Incl. AL079276:Homo sapiens mRNA full length insert cDNA clone  
 41365\_at Cluster Incl. Y09788:H.sapiens MUC5B gene /cds=(0,2538) /gb=Y09788 /gi=  
 35148\_at Cluster Incl. AC005954:Homo sapiens chromosome 19, cosmid R28784 /cds=(  
 35621\_at Cluster Incl. L77213:Homo sapiens phosphomevalonate kinase mRNA, comple  
 37567\_at Cluster Incl. X98834:H.sapiens mRNA for zinc finger protein, Hsa12 /cds  
 35 39010\_at Cluster Incl. AI658639:tu06g05.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40521\_at Cluster Incl. AL050259:Homo sapiens mRNA; cDNA DKFZp547D0710 (from  
 clon  
 34798\_at Cluster Incl. Z35491:H.sapiens mRNA for novel glucocorticoid receptor-a  
 34835\_at Cluster Incl. D87442:Human mRNA for KIAA0253 gene, partial cds /cds=(0,



- 37405\_at Cluster Incl. U29091:Human selenium-binding protein (hSBP) mRNA, comple  
40210\_at Cluster Incl. X75593:H.sapiens mRNA for rab 13 /cds=(139,750) /gb=X7559  
40575\_at Cluster Incl. AB011155:Homo sapiens mRNA for KIAA0583 protein, partial  
41816\_at Cluster Incl. AL049851:Human DNA sequence from clone 889J22B on chromos  
**5** 32558\_at Cluster Incl. AB021868:Homo sapiens PIAS3 mRNA for protein inhibitor of  
684\_at K02215 /FEATURE=mRNA#1 /DEFINITION=HUMANG Human angiotensinogen  
mRNA, com  
361\_at Y13620 /FEATURE= /DEFINITION=HSRNABCL9 Homo sapiens mRNA for BCL9 gene
- 10** METAGENE 196 :
- 1500\_at X51630 /FEATURE=mRNA /DEFINITION=HSWT1 Human Wilms tumor WT1 mRNA  
for zi  
960\_g\_at Guanine Nucleotide-Binding Protein G25k
- 15** METAGENE 197 :
- 41420\_at Cluster Incl. AF055033:Homo sapiens clone 24645 insulin-like growth fac  
38650\_at Cluster Incl. L27560:Human insulin-like growth factor binding protein 5  
**20** 1677\_at M65062 /FEATURE= /DEFINITION=HUMIGFBP6 Human insulin-like growth factor  
1678\_g\_at M65062 /FEATURE= /DEFINITION=HUMIGFBP6 Human insulin-like growth  
facto  
1601\_s\_at L27559 /FEATURE=mRNA /DEFINITION=HUMIGFBP04 Human insulin-like  
growth  
**25** 1396\_at L27560 /FEATURE=mRNA /DEFINITION=HUMIGFBP5X Human insulin-like growth fa
- METAGENE 198 :
- 39214\_at Cluster Incl. U52111:plexin related protein /cds=(0,1418) /gb=U52111 /g  
**30** 39569\_at Cluster Incl. U72849:untitled /cds=(98,6199) /gb=U72849 /gi=4097997 /ug  
41719\_i\_at Cluster Incl. AF009767:AF009767 Homo sapiens cDNA /clone=C97A-12 /gb=  
31903\_at Cluster Incl. AB014593:Homo sapiens mRNA for KIAA0693 protein, partial  
34261\_at Cluster Incl. D84307:Homo sapiens mRNA for phosphoethanolamine cytidyly  
35683\_at Cluster Incl. AB020659:Homo sapiens mRNA for KIAA0852 protein, complete  
**35** 38633\_at Cluster Incl. U35113:Human metastasis-associated mta1 mRNA, complete cd  
39773\_at Cluster Incl. W28235:43h8 Homo sapiens cDNA /gb=W28235 /gi=1308183 /ug=  
40476\_s\_at Cluster Incl. U58198:Human interleukin enhancer binding factor 3 mRNA  
41122\_at Cluster Incl. AB011173:Homo sapiens mRNA for KIAA0601 protein, partial  
41773\_at Cluster Incl. U58048:Human metalloproteinase PRSM1 mRNA, complete cds /c

- 39159\_at Cluster Incl. X99656:H.sapiens mRNA for protein containing SH3 domain,  
 40182\_s\_at Cluster Incl. AF055027:Homo sapiens clone 24658 mRNA sequence /cds=UN  
 32608\_at Cluster Incl. AF000560:Homo sapiens TTF-I interacting peptide 20 mRNA,  
 1643\_g\_at U35113 /FEATURE= /DEFINITION=HSU35113 Human metastasis-associated  
**5** mtal

## METAGENE 199 :

- 31499\_s\_at Cluster Incl. X16863:Human Fc-gamma RIII-1 cDNA for Fc-gamma receptor  
**10** 31608\_g\_at Cluster Incl. AJ002428:Homo sapiens VDAC1 pseudogene /cds=(0,853) /gb  
 31691\_g\_at Cluster Incl. U08997:Human glutamate dehydrogenase gene, complete cds  
 31951\_s\_at Cluster Incl. Z48501:H.sapiens mRNA for polyadenylate binding protein  
 34642\_at Cluster Incl. U28964:Homo sapiens 14-3-3 protein mRNA, complete cds /cd  
 34648\_at Cluster Incl. Z12830:H.sapiens mRNA for SSR alpha subunit /cds=(29,889)  
**15** 36414\_s\_at Cluster Incl. AF032119:Homo sapiens hCASK (CASK) mRNA, complete cds /  
 37770\_at Cluster Incl. AF026445:Homo sapiens cofactor of initiator function (CIF  
 34735\_at Cluster Incl. U43195:Human Rho-associated, coiled-coil containing prote  
 40096\_at Cluster Incl. D14710:Human mRNA for ATP synthase alpha subunit, complet  
 40132\_g\_at Cluster Incl. D89937:Homo sapiens mRNA for follistatin-related protei  
**20** 40440\_at Cluster Incl. AL080119:Homo sapiens mRNA; cDNA DKFZp564M2423 (from  
 clon  
 40441\_g\_at Cluster Incl. AL080119:Homo sapiens mRNA; cDNA DKFZp564M2423 (from cl  
 40487\_at Cluster Incl. W26634:34b10 Homo sapiens cDNA /gb=W26634 /gi=1307477 /ug  
 41739\_s\_at Cluster Incl. M83216:Human aorta caldesmon mRNA, complete cds /cds=(2  
**25** 33367\_s\_at Cluster Incl. D88674:Homo sapiens mRNA for antizyme inhibitor, comple  
 34305\_at Cluster Incl. Z29505:H.sapiens mRNA for nucleic acid binding protein su  
 34350\_at Cluster Incl. X64838:H.sapiens mRNA for restin /cds=(132,4415) /gb=X648  
 35339\_at Cluster Incl. AI743606:wg51f08.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35737\_at Cluster Incl. U90549:Human non-histone chromosomal protein (NHC) mRNA,  
**30** 35784\_at Cluster Incl. U64520:Human synaptobrevin-3 mRNA, complete cds /cds=(24,  
 35788\_at Cluster Incl. W28994:54h7 Homo sapiens cDNA /gb=W28994 /gi=1308960 /ug=  
 35806\_at Cluster Incl. W26854:17b4 Homo sapiens cDNA /gb=W26854 /gi=1306217 /ug=  
 35812\_at Cluster Incl. AJ133769:Homo sapiens mRNA for nuclear transport receptor  
 36684\_at Cluster Incl. M21154:Human S-adenosylmethionine decarboxylase mRNA, com  
**35** 38085\_at Cluster Incl. AI740522:wg16b07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38446\_at Cluster Incl. X56199:Human XIST, coding sequence a mRNA (locus DXS399  
 39471\_at Cluster Incl. Z48042:H.sapiens mRNA encoding GPI-anchored protein p137  
 39873\_at Cluster Incl. X66360:H.sapiens mRNA PCTAIRE-2 for serine/threonine prot  
 40555\_at Cluster Incl. AL043108:DKFZp434C0823\_r1 Homo sapiens cDNA, 5 end /clon

- 40618\_at Cluster Incl. H15872:ym22b12.r1 Homo sapiens cDNA, 5' end /clone=IMAGE-
- 40634\_at Cluster Incl. M86667:H.sapiens NAP (nucleosome assembly protein) mRNA,
- 41300\_s\_at Cluster Incl. AA477898:zu34f08.r1 Homo sapiens cDNA, 5' end /clone=IM
- 41594\_at Cluster Incl. M64174:Human protein-tyrosine kinase (JAK1) mRNA, complete
- 5 32548\_at Cluster Incl. L24804:Human (p23) mRNA, complete cds /cds=(232,714) /gb=
- 32571\_at Cluster Incl. X68836:H.sapiens mRNA for S-adenosylmethionine synthetase
- 32586\_at Cluster Incl. D86971:Human mRNA for KIAA0217 gene, partial cds /cds=(0,
- 2033\_s\_at U10564 /FEATURE= /DEFINITION=HSU10564 Human CDK tyrosine 15-kinase
- WEE
- 10 1959\_at D88674 /FEATURE= /DEFINITION=D88674 Homo sapiens mRNA for antizyme inhib
- 1906\_at Ras Inhibitor Inf
- 1903\_at Ras-Related Protein Rap1b
- 1844\_s\_at L05624 /FEATURE= /DEFINITION=HUMMKK Homo sapiens MAP kinase
- kinase mRN
- 15 1824\_s\_at J05614 /FEATURE=mRNA /DEFINITION=HUMPCNAPRM Human
- proliferating cell n
- 1710\_s\_at U07804 /FEATURE= /DEFINITION=HSU07804 Human DNA topoisomerase I
- mRNA,
- 1670\_at L23959 /FEATURE= /DEFINITION=HUMDP1A Homo sapiens E2F-related transcript
- 20 1318\_at X74262 /FEATURE=cds /DEFINITION=HSRBAP48 H.sapiens RbAp48 mRNA encoding
- 1189\_at X85753 /FEATURE= /DEFINITION=HSCDK8 Homo sapiens mRNA for CDK8 protein k
- 1161\_at J04988 /FEATURE=cds /DEFINITION=HUMHSP90B Human 90 kD heat shock protein
- 1074\_at M28209 /FEATURE= /DEFINITION=HUMRAB1A Homo sapiens GTP-binding protein (
- 953\_g\_at Fk506-Binding Protein, Alt. Splice 2
- 25 869\_at U14193 /FEATURE= /DEFINITION=HSU14193 Human TFIIA gamma subunit mRNA,
- com
- 777\_at D13988 /FEATURE= /DEFINITION=HUMRABGDI Human rab GDI mRNA, complete
- cds
- 642\_s\_at L76528 /FEATURE=expanded\_cds /DEFINITION=HUMPS1A11 Homo sapiens
- 30 presen
- 504\_at U39318 /FEATURE= /DEFINITION=HSU39318 Human E2 ubiquitin conjugating enzy
- 466\_at U77948 /FEATURE= /DEFINITION=HSU77948 Human Bruton s tyrosine kinase-asso
- 442\_at X15187 /FEATURE=cds /DEFINITION=HSTRA1 Human tra1 mRNA for human
- homologu
- 35 398\_at X98743 /FEATURE=cds /DEFINITION=HSRNAHEL C H.sapiens mRNA for RNA
- helicase
- 351\_f\_atD28423 /FEATURE= /DEFINITION=HUMPSF82 Human mRNA for pre-mRNA splicing
- 312\_s\_at Focal Adhesion Kinase

226\_at M33336 /FEATURE= /DEFINITION=HUMCAMPPK Human cAMP-dependent protein  
kinas

227\_g\_at M33336 /FEATURE= /DEFINITION=HUMCAMPPK Human cAMP-dependent  
protein kin

5

METAGENE 200 :

- 38531\_at Cluster Incl. AA428150:zw57c05.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
32731\_at Cluster Incl. AB018247:Homo sapiens mRNA for Fe65L2, complete cds /cds=  
10 34285\_at Cluster Incl. AB018338:Homo sapiens mRNA for KIAA0795 protein, partial  
35212\_at Cluster Incl. AF064801:Homo sapiens multiple membrane spanning receptor  
36451\_at Cluster Incl. AI743299:wg91b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
38644\_at Cluster Incl. U14588:Human paxillin mRNA, complete cds /cds=(74,1747) /  
39399\_at Cluster Incl. AJ006417:Homo sapiens mRNA for beta-tubulin folding cofac  
15 32757\_at Cluster Incl. U84720:Homo sapiens mRNA export protein (RAE1) mRNA, comp  
37339\_at Cluster Incl. U20657:Human ubiquitin protease (Unph) proto-oncogene mRNA  
37342\_s\_at Cluster Incl. AF070531:Homo sapiens clone 24764 mRNA sequence /cds=UN  
37400\_at Cluster Incl. J03068:Human DNF1552 (lung) mRNA, complete cds /cds=(292,  
40546\_s\_at Cluster Incl. AF047185:Homo sapiens NADH-ubiquinone oxidoreductase su  
20 41251\_at Cluster Incl. L40410:Homo sapiens thyroid receptor interactor (TRIP3) m

METAGENE 201 :

- 35467\_g\_at Cluster Incl. W73046:zd54h09.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
25 38234\_at Cluster Incl. M99438:Human transducin-like enhancer protein (TLE3) mRNA  
32715\_at Cluster Incl. N90862:zb11b06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
35657\_at Cluster Incl. U08998:Human TAR RNA binding protein 2 (TRBP2) mRNA, comp  
35715\_at Cluster Incl. AL080071:Homo sapiens mRNA; cDNA DKFZp564M082 (from  
clone  
30 38970\_s\_at Cluster Incl. AJ011896:Homo sapiens mRNA for HIV-1, Nef-associated fa  
39340\_at Cluster Incl. M16424:Human beta-hexosaminidase alpha chain (HEXA) gene  
40068\_at Cluster Incl. U26648:Homo sapiens syntaxin 5 mRNA, complete cds /cds=(2  
41775\_at Cluster Incl. AF064084:Homo sapiens prenylcysteine carboxyl methyltrans  
33860\_at Cluster Incl. AB007931:Homo sapiens mRNA for KIAA0462 protein, partial  
35 34789\_at Cluster Incl. S69272:cytoplasmic antiproteinase=38 kda intracellular se  
36673\_at Cluster Incl. X76057:H.sapiens PMI1 mRNA for phosphomannose isomerase /  
38424\_at Cluster Incl. AB018290:Homo sapiens mRNA for KIAA0747 protein, partial  
39516\_at Cluster Incl. AI827793:wf33b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
39921\_at Cluster Incl. AI526089:DU3.2-7.H07.r Homo sapiens cDNA, 5 end /clone\_e

33106\_at Cluster Incl. U22662:Human nuclear orphan receptor LXR-alpha mRNA, comp  
512\_at U22662 /FEATURE= /DEFINITION=HSU22662 Human nuclear orphan receptor LXR-a

# METAGENE 202 :

5

31906\_at Cluster Incl. AF068754:Homo sapiens heat shock factor binding protein 1  
38498\_at Cluster Incl. Z99916:Human DNA sequence from clone 221G9 on chromosome  
39581\_at Cluster Incl. AA570193:nf38c11.s1 Homo sapiens cDNA /clone=IMAGE-916052  
41097\_at Cluster Incl. AF002999:Homo sapiens TTAGGG repeat binding factor 2 (hTR

10

38664\_at Cluster Incl. AB009285:Homo sapiens BCNT mRNA, complete cds /cds=(109,1  
38706\_at Cluster Incl. AA552140:ng48e07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
40822\_at Cluster Incl. L41067:Homo sapiens NF-AT4c mRNA, complete cds /cds=(210,

34310\_at Cluster Incl. Y00486:Human APRT gene for adenine phosphoribosyltransfer

34336\_at Cluster Incl. D32053:Homo sapiens mRNA for Lysyl tRNA Synthetase, compl

15

34340\_at Cluster Incl. AA173896:zp03b02.s1 Homo sapiens cDNA, 3 end /clone=IMAG

34810\_at Cluster Incl. AC004382:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-

35364\_at Cluster Incl. U50939:Human amyloid precursor protein-binding protein 1

35769\_at Cluster Incl. AJ011001:Homo sapiens mRNA for TM7XN1 protein /cds=(316,2

36964\_at Cluster Incl. D42053:Human mRNA for KIAA0091 gene, complete cds /cds=(4

20

40276\_at Cluster Incl. D50063:Human mRNA for proteasome subunit p40\_ / Mov34 prot  
1594\_at J05448 /FEATURE= /DEFINITION=HUMRPOLAA Human RNA polymerase subunit  
hRPB

945\_at D50063 /FEATURE= /DEFINITION=HUMP40MOV Human mRNA for proteasome  
subunit

25

323\_at Serine Kinase Psk-H1

# METAGENE 203 :

35060\_at Cluster Incl. U51224:Human U2AFBPL gene, complete cds /cds=(111,1550) /

30

34987\_s\_at Cluster Incl. X79536:H.sapiens mRNA for hnRNPcore protein A1 /cds=(26

34989\_at Cluster Incl. U09414:Human zinc finger protein ZNF137 mRNA, complete cd

35405\_at Cluster Incl. X52520:Human mRNA for tyrosine aminotransferase (TAT) (EC

35936\_g\_at Cluster Incl. Y08683:H.sapiens mRNA for carnitine palmitoyltransferas

38164\_at Cluster Incl. U57629:Human retinitis pigmentosa GTPase regulator (RPGR)

35

39314\_at Cluster Incl. X77533:H.sapiens mRNA for activin type II receptor /cds=(

40377\_at Cluster Incl. AB014582:Homo sapiens mRNA for KIAA0682 protein, complete

33766\_at Cluster Incl. X77777:H.sapiens intestinal VIP receptor related protein

35228\_at Cluster Incl. Y08682:H.sapiens mRNA for carnitine palmitoyltransferase

36458\_at Cluster Incl. AB023235:Homo sapiens mRNA for KIAA1018 protein, complete

	37628_at	Cluster Incl. M69177:Human monoamine oxidase B (MAOB) mRNA, complete cd
	39356_at	Cluster Incl. AB007899:Homo sapiens KIAA0439 mRNA, partial cds /cds=(0,
	39437_at	Cluster Incl. Z78324:HSZ78324 Homo sapiens cDNA /clone=2.45-(CEPH) /gb=
	41205_at	Cluster Incl. U84404:Human E6-associated protein E6-AP/ubiquitin-protei
5	41219_at	Cluster Incl. AL050376:Homo sapiens mRNA; cDNA DKFZp586J101 (from clone
	41766_at	Cluster Incl. D55649:Human mRNA for alpha mannosidase II isozyme, compl
	32218_at	Cluster Incl. AF034176:AF034176 Homo sapiens cDNA /clone=ntcon5-contig
	32223_at	Cluster Incl. AB002363:Human mRNA for KIAA0365 gene, partial cds /cds=(
	32253_at	Cluster Incl. AB007927:Homo sapiens mRNA for KIAA0458 protein, complete
10	32259_at	Cluster Incl. AB002386:Human mRNA for KIAA0388 gene, complete cds /cds=
	32809_at	Cluster Incl. AL118582:DKFZp761B0810_r1 Homo sapiens cDNA, 5 end/clon
	34299_at	Cluster Incl. AL096880:Novel human mRNA containing Zinc finger C2H2 typ
	34801_at	Cluster Incl. AB014610:Homo sapiens mRNA for KIAA0710 protein, complete
	35354_at	Cluster Incl. AL022326:dJ333H23.2.2 (Synaptogyrin 1A (SYNGR1A)) /cds=(4
15	35809_g_at	Cluster Incl. AL031681:dJ862K6.2.2 (splicing factor, arginine/serine-
	36093_at	Cluster Incl. AB014514:Homo sapiens mRNA for KIAA0614 protein, partial
	36961_at	Cluster Incl. AL050286:Homo sapiens mRNA; cDNA DKFZp586A011 (from
	clone	
	38090_at	Cluster Incl. AL050371:Homo sapiens mRNA; cDNA DKFZp566G2246 (from
20	clon	
	38103_at	Cluster Incl. AB014542:Homo sapiens mRNA for KIAA0642 protein, partial
	40569_at	Cluster Incl. M58297:Human zinc finger protein 42 (MZF-1) mRNA, complet
	41243_at	Cluster Incl. AB007916:Homo sapiens mRNA for KIAA0447 protein, complete
	33136_at	Cluster Incl. AL031714:Human DNA sequence from clone 356B7 on chromosom
25	33188_at	Cluster Incl. U37221:Human cyclophilin-like protein mRNA, partial cds /
	1873_at	D21089 /FEATURE= /DEFINITION=HUMXPCR Human mRNA for XP-C repair
	compleme	
	487_g_at	U60521 /FEATURE= /DEFINITION=HSU60521 Human protease proMch6
	(Mch6) mRN	
30		
	METAGENE 204 :	
	35016_at	Cluster Incl. M13560:Human Ia-associated invariant gamma-chain gene /cd
	33956_at	Cluster Incl. AB018549:Homo sapiens MD-2 mRNA, complete cds /cds=(125,6
35	35869_at	Cluster Incl. AB020499:Homo sapiens BCG-regulated mRNA for MD-1 homolog
	35926_s_at	Cluster Incl. AF004230:Homo sapiens monocyte/macrophage Ig-related re
	36753_at	Cluster Incl. AF072099:Homo sapiens immunoglobulin-like transcript 3 pr
	36773_f_at	Cluster Incl. M81141:Human MHC class II HLA-DQ-beta mRNA (DR7 DQw2),
	38213_at	Cluster Incl. U78027:Homo sapiens Brutons tyrosine kinase (BTK), alpha-

	39319_at	Cluster Incl. U20158:Human 76 kDa tyrosine phosphoprotein SLP-76 mRNA,
	39591_s_at	Cluster Incl. Z36531:H.sapiens mRNA for fibrinogen-like protein (pT49
	39593_at	Cluster Incl. AI432401:tg73b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40019_at	Cluster Incl. M60830:Human EVI2B3P gene, exon and complete cds /cds=(21
5	40702_at	Cluster Incl. X13274:Human mRNA for interferon IFN-gamma /cds=(108,608)
	41409_at	Cluster Incl. AF044896:Homo sapiens ICB-1 mRNA, complete cds /cds=(128,
	41609_at	Cluster Incl. U15085:Human HLA-DMB mRNA, complete cds /cds=(233,1024) /
	34268_at	Cluster Incl. X91809:H.sapiens mRNA for GAIP protein /cds=(288,941) /gb
	34660_at	Cluster Incl. AI142565:qb47d08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	34663_at	Cluster Incl. M28696:Human low-affinity IgG Fc receptor (beta-Fc-gamma-
	34748_at	Cluster Incl. AB020653:Homo sapiens mRNA for KIAA0846 protein, complete
	35633_at	Cluster Incl. D87457:Human mRNA for KIAA0281 gene, complete cds /cds=(1
	36878_f_at	Cluster Incl. M60028:Human MHC class II HLA-DQ-beta (DQB1,DQw9), comp
	36889_at	Cluster Incl. M33195:Human Fc-epsilon-receptor gamma-chain mRNA, comple
15	37177_at	Cluster Incl. Y00636:Human mRNA for lymphocyte function associated anti
	37918_at	Cluster Incl. M15395:Human leukocyte adhesion protein (LFA-1/Mac-1/p150
	37975_at	Cluster Incl. X04011:Human mRNA of X-CGD gene involved in chronic granu
	38363_at	Cluster Incl. W60864:zd27g05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	39733_at	Cluster Incl. AF055001:Homo sapiens clone 24560 unknown mRNA, complete
20	40081_at	Cluster Incl. L26232:Human phospholipid transfer protein mRNA, complete
	40518_at	Cluster Incl. Y00062:Human mRNA for T200 leukocyte common antigen (CD45
	41723_s_at	Cluster Incl. M32578:Human MHC class II HLA-DR beta-1 mRNA (DR2.3), 5
	32227_at	Cluster Incl. X17042:Human mRNA for hematopoietic proteoglycan core prot
	33871_s_at	Cluster Incl. J02876:Human placental folate binding protein mRNA, com
25	34375_at	Cluster Incl. M28225:Human JE gene encoding a monocyte secretory protei
	35261_at	Cluster Incl. W07033:za93f08.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	36207_at	Cluster Incl. D67029:Human SEC14L mRNA, complete cds /cds=(303,2450) /g
	36589_at	Cluster Incl. X15414:Human mRNA for aldose reductase (EC 1.1.1.2) /cds=
	36674_at	Cluster Incl. J04130:Human activation (Act-2) mRNA, complete cds /cds=(
30	37023_at	Cluster Incl. J02923:Human 65-kilodalton phosphoprotein (p65) mRNA, com
	37039_at	Cluster Incl. J00194:human hla-dr antigen alpha-chain mrna & ivs fragme
	37328_at	Cluster Incl. X07743:Human mRNA for pleckstrin (P47) /cds=(60,1112) /gb
	37344_at	Cluster Incl. X62744:Human RING6 mRNA for HLA class II alpha chain-like
	37759_at	Cluster Incl. U51240:Human lysosomal-associated multitransmembrane prot
35	38095_i_at	Cluster Incl. M83664:Human MHC class II lymphocyte antigen (HLA-DP) b
	38096_f_at	Cluster Incl. M83664:Human MHC class II lymphocyte antigen (HLA-DP) b
	38378_at	Cluster Incl. M37033:Human CD53 glycoprotein mRNA, complete cds /cds=(9
	38796_at	Cluster Incl. X03084:Human mRNA for C1q B-chain of complement system /c
	38833_at	Cluster Incl. X00457:Human mRNA for SB classII histocompatibility antig

- 39182\_at Cluster Incl. U87947:Human hematopoietic neural membrane protein (HNMP-  
 41352\_at Cluster Incl. X62822:H.sapiens gene encoding beta-galactoside alpha-2,6  
 2045\_s\_at M16592 /FEATURE=mRNA /DEFINITION=HUMHCKB Human hemopoietic  
 cell protei
- 5** 1919\_at X16316 /FEATURE=cds /DEFINITION=HSVAVPO Human mRNA for vav oncogene  
 1867\_at AF005775 /FEATURE= /DEFINITION=AF005775 Homo sapiens caspase-like apopto  
 1426\_at D89077 /FEATURE= /DEFINITION=D89077 Homo sapiens mRNA for Src-like adapt  
 1427\_g\_at D89077 /FEATURE= /DEFINITION=D89077 Homo sapiens mRNA for Src-like  
 ada
- 10** 1061\_at U00672 /FEATURE= /DEFINITION=U00672 Human interleukin-10 receptor mRNA,  
 925\_at J03909 /FEATURE= /DEFINITION=HUMIIP Human gamma-interferon-inducible prot  
 875\_g\_at M26683 /FEATURE= /DEFINITION=HUMIFNIND Human interferon gamma  
 treatment  
 649\_s\_at L06797 /FEATURE= /DEFINITION=HUMGPCR Human (clone L5) orphan G  
**15** protein-

## METAGENE 205 :

- 32109\_at Cluster Incl. AA524547:ng45h04.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
**20** 38307\_at Cluster Incl. AB011179:Homo sapiens mRNA for KIAA0607 protein, partial

## METAGENE 206 :

- 32998\_at Cluster Incl. L19315:Human cholecystokinin A receptor mRNA, complete cd  
**25** 33058\_at Cluster Incl. Y17282:Homo sapiens mRNA for cytokeratin type II /cds=(18  
 34164\_at Cluster Incl. R42599:y02e11.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 35104\_r\_at Cluster Incl. M26682:Human T-cell translocation gene 1 (Ttg-1) mRNA,  
 34442\_at Cluster Incl. U72943:U72943 Homo sapiens cDNA /gb=U72943 /gi=5763294 /u  
 34502\_g\_at Cluster Incl. L40992:Homo sapiens (clone PEBP2aA1) core-binding facto  
**30** 35912\_at Cluster Incl. AJ010901:Homo sapiens MUC4 gene, 3 flanking region /cds=(  
 37415\_at Cluster Incl. AB018258:Homo sapiens mRNA for KIAA0715 protein, partial  
 37839\_at Cluster Incl. AL109700:Homo sapiens mRNA full length insert cDNA clone  
 38154\_at Cluster Incl. AF038199:Homo sapiens clone 23728 mRNA sequence /cds=UNKN  
 37921\_at Cluster Incl. U61849:Human neuronal pentraxin 1 (NPTX1) mRNA, complete  
**35** 39332\_at Cluster Incl. AF035316:Homo sapiens clone 23678 mRNA, partial cds /cds=  
 35343\_at Cluster Incl. M37400:Human cytosolic aspartate aminotransferase mRNA, c  
 37049\_g\_at Cluster Incl. U58970:Human putative outer mitochondrial membrane 34 k  
 41537\_r\_at Cluster Incl. L31881:Human nuclear factor I-X mRNA, complete cds /cds



- 1331\_s\_at U83598 /FEATURE= /DEFINITION=HSU83598 Human death domain receptor 3  
so
- 1280\_i\_at Serine/Threonine Kinase
- 736\_f\_atD87002 /FEATURE=cds#2 /DEFINITION=D87002 Homo sapiens immunoglobulin la
- 5 255\_s\_at M13981 /FEATURE= /DEFINITION=HUMINHA Human inhibin A-subunit  
mRNA, comp
- 170\_at U51096 /FEATURE= /DEFINITION=HSU51096 Human homeobox protein Cdx2 mRNA,  
c
- 114\_r\_atX14474 /FEATURE=cds /DEFINITION=HSTAU1 Human mRNA for microtubule-assoc
- 10 METAGENE 207 :
- 39572\_at Cluster Incl. AI401567:tg28f02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 40395\_at Cluster Incl. AB007932:Homo sapiens mRNA for KIAA0463 protein, partial
- 15 32095\_at Cluster Incl. AB018267:Homo sapiens mRNA for KIAA0724 protein, complete
- 32130\_at Cluster Incl. W25984:17e5 Homo sapiens cDNA /gb=W25984 /gi=1306251 /ug=
- 33782\_r\_at Cluster Incl. AA587372:nn82f03.s1 Homo sapiens cDNA, 3 end /clone=IM
- 34177\_at Cluster Incl. AF038660:Homo sapiens chromosome 1p33-p34 beta-1,4-galact
- 36460\_at Cluster Incl. AF008442:Homo sapiens RNA polymerase I subunit hRPA39 mRN
- 20 36524\_at Cluster Incl. AB029035:Homo sapiens mRNA for KIAA1112 protein, partial
- 38004\_at Cluster Incl. X96753:H.sapiens mRNA for melanoma-associated chondroitin
- 39370\_at Cluster Incl. W28807:52a3 Homo sapiens cDNA /gb=W28807 /gi=1308755 /ug=
- 40408\_at Cluster Incl. L06845:Human cysteinyl-tRNA synthetase mRNA, partial cds
- 36184\_at Cluster Incl. L06419:Homo sapiens lysyl hydroxylase (PLOD) mRNA, comple
- 25 36983\_f\_at Cluster Incl. X00442:Human mRNA for haptoglobin alpha(2FS)-beta precu
- 37377\_i\_at Cluster Incl. M13452:Human lamin A mRNA, 3end /cds=(0,1547) /gb=M1345
- METAGENE 208 :
- 30 35884\_at Cluster Incl. Y07829:Homo sapiens RFB30 gene for RING finger protein /c
- 35898\_at Cluster Incl. AF100780:Homo sapiens connective tissue growth factor rel
- 35965\_at Cluster Incl. X51757:Human heat-shock protein HSP70B gene /cds=(0,1931)
- 39673\_i\_at Cluster Incl. AB011792:Homo sapiens mRNA for extracellular matrix pro
- 40328\_at Cluster Incl. X99268:H.sapiens mRNA for B-HLH DNA binding protein /cds=
- 35 40681\_at Cluster Incl. AB008375:Homo sapiens mRNA for osteoblast specific cystei
- 40698\_at Cluster Incl. X96719:H.sapiens mRNA for AICL (activation-induced C-type
- 33328\_at Cluster Incl. W28612:49b3 Homo sapiens cDNA /gb=W28612 /gi=1308560 /ug=
- 34262\_at Cluster Incl. Y15909:Homo sapiens mRNA for dia-156 protein /cds=(350,36
- 36533\_at Cluster Incl. D83402:Homo sapiens gene for prostacyclin synthase /cds=(

	36834_at	clone	Cluster Incl. AL080058:Homo sapiens mRNA; cDNA DKFZp564G202 (from
	36856_at		Cluster Incl. W28743:51a9 Homo sapiens cDNA /gb=W28743 /gi=1308691 /ug=
	39007_at		Cluster Incl. M55593:Human collagenase type IV (CLG4) gene /cds=(289,22
5	39409_at		Cluster Incl. M14058:Human complement C1r mRNA, complete cds /cds=(63,2
	39775_at		Cluster Incl. X54486:Human gene for C1-inhibitor /cds=(60,1562) /gb=X54
	40496_at		Cluster Incl. J04080:Human complement component C1r mRNA, complete cds
	40856_at		Cluster Incl. U29953:Human pigment epithelium-derived factor gene, comp
	32193_at		Cluster Incl. AF030339:Homo sapiens receptor for viral semaphorin prote
10	32249_at		Cluster Incl. M65292:Human factor H homologue mRNA, complete cds /cds=(
	32250_at		Cluster Incl. X07523:Human mRNA for truncated form of complement factor
	37402_at		Cluster Incl. D26129:Human mRNA for ribonuclease A (RNase A), complete
	38057_at		Cluster Incl. AL049798:Human DNA sequence from clone 797M17 on chromoso
	38059_g_at		Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=
15	38379_at		Cluster Incl. X76534:H.sapiens NMB mRNA /cds=(91,1773) /gb=X76534 /gi=6
	38487_at		Cluster Incl. D87433:Human mRNA for KIAA0246 gene, partial cds /cds=(0,
	1375_s_at	inhibitor	M32304 /FEATURE= /DEFINITION=HUMMET Human metalloproteinase
20	METAGENE 209 :		
	33235_at		Cluster Incl. AB023155:Homo sapiens mRNA for KIAA0938 protein, complete
	34257_at		Cluster Incl. AB014605:Homo sapiens mRNA for KIAA0705 protein, complete
	37983_at		Cluster Incl. S77410:type 1 angiotensin II receptor [human, liver, mRNA
25	33158_at		Cluster Incl. M97252:Homo sapiens Kallmann syndrome (KAL) mRNA, complet
	346_s_at	angiotensi	D13814 /FEATURE= /DEFINITION=HUMAGRT1B Homo sapiens mRNA for
	METAGENE 210 :		
30			
	36432_at		Cluster Incl. AL079298:Homo sapiens mRNA full length insert cDNA clone
	39663_at		Cluster Incl. D63998:Human mRNA for golgi alpha-mannosidaseII, complete
	33741_at		Cluster Incl. AI741756:wg22e12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35217_at		Cluster Incl. AL049404:Homo sapiens mRNA; cDNA DKFZp586F0219 (from
35	clon		
	37215_at		Cluster Incl. AF046798:untitled /cds=(113,2656) /gb=AF046798 /gi=317040
	37252_at		Cluster Incl. U44755:Human PSE-binding factor PTF delta subunit mRNA, c
	38610_s_at		Cluster Incl. X14487:Human gene for acidic (type I) cytokeratin 10 /c
	40151_s_at		Cluster Incl. Z48054:H.sapiens mRNA for peroxisomal targeting signal

- 32153\_s\_at Cluster Incl. U49869:Human ubiquitin gene, complete cds /cds=(94,783)
- 33918\_s\_at Cluster Incl. AJ223349:Homo sapiens mRNA for HIRIP3 protein, clone pH
- 34404\_at Cluster Incl. W28167:43a1 Homo sapiens cDNA /gb=W28167 /gi=1308115 /ug=
- 35322\_at Cluster Incl. D50922:Human mRNA for KIAA0132 gene, complete cds /cds=(1
- 5 36128\_at Cluster Incl. L40397:Homo sapiens (clone S31i125) mRNA, 3 end of cds /
- 37715\_at Cluster Incl. AF045184:Homo sapiens nuclear receptor coactivator NCoA-6
- 39133\_at Cluster Incl. AI525379:PT1.1\_06\_H01.r Homo sapiens cDNA, 5 end /clone\_
- 39178\_at Cluster Incl. L10333:Homo sapiens neuroendocrine-specific protein A (NS
- 40274\_at Cluster Incl. U48213:Human D-site binding protein gene, promoter region
- 10 40903\_at Cluster Incl. AL049929:Homo sapiens mRNA; cDNA DKFZp547O0510 (from  
clon
- 1433\_g\_at U68019 /FEATURE= /DEFINITION=HSU68019 Homo sapiens mad protein  
homolog
- 15 METAGENE 211 :
- 34162\_at Cluster Incl. D84111:Homo sapiens mRNA for RBP-MS/type 5, partial cds /
- 34163\_g\_at Cluster Incl. D84111:Homo sapiens mRNA for RBP-MS/type 5, partial cds
- 38047\_at Cluster Incl. D84109:Homo sapiens mRNA for RBP-MS/type 3, complete cds
- 20 38049\_g\_at Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cd
- 1276\_g\_at D84110 /FEATURE= /DEFINITION=D84110 Homo sapiens mRNA for RBP-  
MS/type
- METAGENE 212 :
- 25
- 36253\_at Cluster Incl. AI131030:qb82f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37146\_at Cluster Incl. AB007864:Homo sapiens KIAA0404 mRNA, partial cds /cds=(0,
- 39211\_at Cluster Incl. AF091080:Homo sapiens clone 614 unknown mRNA, complete se
- 39675\_at Cluster Incl. AF009243:Homo sapiens proline-rich Gla protein 2 (PRGP2)
- 30 41622\_r\_at Cluster Incl. AA868898:ak55b08.s1 Homo sapiens cDNA, 3 end /clone=IM
- 32058\_at Cluster Incl. AF070594:Homo sapiens clone 24570 HNK-1 sulfotransferase
- 33287\_at Cluster Incl. AA533071:nj19e03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33289\_f\_at Cluster Incl. D88827:Homo sapiens mRNA for zinc finger protein FPM315
- 34661\_at Cluster Incl. AB002348:Human mRNA for KIAA0350 gene, partial cds /cds=(
- 35 36520\_at Cluster Incl. AB014590:Homo sapiens mRNA for KIAA0690 protein, partial
- 38000\_at Cluster Incl. S72370:pyruvate carboxylase [human, kidney, mRNA, 4017 nt
- 38971\_r\_at Cluster Incl. AJ011896:Homo sapiens mRNA for HIV-1, Nef-associated fa
- 40123\_at Cluster Incl. D87435:Human mRNA for KIAA0248 gene, partial cds /cds=(0,
- 34858\_at Cluster Incl. D79998:Human mRNA for KIAA0176 gene, partial cds /cds=(0,

- 35791\_at Cluster Incl. AF038961:Homo sapiens SL15 protein mRNA, complete cds /cd  
 38845\_at Cluster Incl. R89044:ym99b08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 39896\_at Cluster Incl. AB011149:Homo sapiens mRNA for KIAA0577 protein, complete  
 1171\_s\_at Transcription Factor Oct-1a/1b, Alt. Splice 2, Oct-1b  
 5 465\_at U74667 /FEATURE= /DEFINITION=HSU74667 Human tat interactive protein (TIP6

## METAGENE 213 :

- 38219\_at Cluster Incl. D10656:Human mRNA for CRK-II, complete cds /cds=(105,1019  
 10 38226\_at Cluster Incl. W27152:23h11 Homo sapiens cDNA /gb=W27152 /gi=1306731 /ug  
 39708\_at Cluster Incl. L29277:Homo sapiens DNA-binding protein (APRF) mRNA, comp  
 33417\_at Cluster Incl. D31886:Human mRNA for KIAA0066 gene, partial cds /cds=(0,  
 38757\_at Cluster Incl. U41745:Human PDGF associated protein mRNA, complete cds /  
 39810\_at Cluster Incl. AC005253:Homo sapiens chromosome 19, cosmid R26445 /cds=(  
 15 40935\_at Cluster Incl. W28516:47h7 Homo sapiens cDNA /gb=W28516 /gi=1308464 /ug=  
 41528\_at Cluster Incl. W72239:zd62h08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 2049\_s\_at M29039 /FEATURE=cds /DEFINITION=HUMJUNCAA Human transactivator  
 (jun-B)  
 1856\_at X75042 /FEATURE=cds /DEFINITION=HSRNAREL H.sapiens rel proto-oncogene mR  
 20 1747\_at AD000092 /FEATURE=cds#2 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro  
 1750\_at AD000092 /FEATURE=cds#5 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro  
 1753\_s\_at AD000092 /FEATURE=cds#7 /DEFINITION=CH19HHR23 Homo sapiens DNA  
 from ch  
 835\_at U41745 /FEATURE= /DEFINITION=HSU41745 Human PDGF associated protein mRNA,  
 25 476\_s\_at U50079 /FEATURE= /DEFINITION=HSU50079 Human histone deacetylase HD1  
 mRN  
 422\_s\_at X66867 /FEATURE=cds#2 /DEFINITION=HSMAXG H.sapiens max gene  
 399\_at X99325 /FEATURE=cds /DEFINITION=HSSTE20 H.sapiens mRNA for Ste20-like kin  
 289\_at L29277 /FEATURE= /DEFINITION=HUMAPRF Homo sapiens DNA-binding protein (AP  
 30 108\_g\_at Z95624 /FEATURE=cds /DEFINITION=HSU237H1 Human DNA sequence from  
 cosmid  
 160044\_g\_at NM\_001098 /FEATURE=mRNA /DEFINITION=Homo sapiens aconitase 2,  
 mitoch

## 35 METAGENE 214 :

- 37600\_at Cluster Incl. U68186:Human extracellular matrix protein 1 mRNA, complet  
 37614\_g\_at Cluster Incl. X63578:H.sapiens gene for parvalbumin /cds=(77,403) /gb  
 39352\_at Cluster Incl. S70585:thyroid-stimulating hormone alpha subunit [human,

## METAGENE 215 :

- 5 39607\_at Cluster Incl. AL080178:Homo sapiens mRNA; cDNA DKFZp434K171 (from clone
- 41672\_at Cluster Incl. AF007128:Homo sapiens clone 23870 mRNA sequence /cds=UNKN
- 31869\_at Cluster Incl. AB014540:Homo sapiens mRNA for KIAA0640.protein, partial
- 38267\_at Cluster Incl. AI928365:wo96d08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32846\_s\_at Cluster Incl. D13629:Human mRNA for KIAA0004 gene, complete cds /cds=
- 10 35327\_at Cluster Incl. U54559:Homo sapiens translation initiation factor eIF3 p4
- 37709\_at Cluster Incl. M86934:Human GS1 (protein of unknown function) mRNA, comp

## METAGENE 216 :

- 15 39610\_at Cluster Incl. X16665:Human HOX2H mRNA from the Hox2 locus /cds=(78,1148
- 33219\_at Cluster Incl. AB029020:Homo sapiens mRNA for KIAA1097 protein, partial
- 34728\_g\_at Cluster Incl. AI800578:wg12b07.x1 Homo sapiens cDNA, 3 end /clone=IM
- 35187\_at Cluster Incl. AL080216:Homo sapiens mRNA; cDNA DKFZp586K1123 (from clon
- 20 35340\_at Cluster Incl. AI819948:wj88e11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 39814\_s\_at Cluster Incl. AI052724:oz27a12.x1 Homo sapiens cDNA, 3 end /clone=IM

## METAGENE 217 :

- 25 34494\_at Cluster Incl. AJ003125:Homo sapiens mRNA for procollagen I-N proteinase
- 37823\_at Cluster Incl. Y16645:Homo sapiens mRNA for monocyte chemotactic protein
- 40310\_at Cluster Incl. AF051152:Homo sapiens Toll/interleukin-1 receptor-like pr
- 41870\_at Cluster Incl. AF030428:Homo sapiens lung type-I cell membrane-associate
- 34217\_at Cluster Incl. AB015132:Homo sapiens UKLF mRNA for ubiquitous Kruppel li
- 30 37542\_at Cluster Incl. D86961:Human mRNA for KIAA0206 gene, partial cds /cds=(0,
- 38819\_at Cluster Incl. U33635:Human colon carcinoma kinase-4 (CCK4) mRNA, comple
- 760\_at Y09216 /FEATURE= /DEFINITION=HSDYRK2 H.sapiens mRNA for protein kinase, D
- 160023\_at X07876 /FEATURE=cds /DEFINITION=HSIRP Human mRNA for irp protein (int-

35

## METAGENE 218 :

- 32909\_at Cluster Incl. U46569:Human aquaporin-5 (AQP5) gene /cds=(0,797) /gb=U46
- 39253\_s\_at Cluster Incl. M29893:Human low molecular mass GTP-binding protein (ra

- 39267\_at Cluster Incl. AF102265:Homo sapiens N-acetylglucosamine-phosphate mutas  
 33796\_at Cluster Incl. U73960:Human ADP-ribosylation factor-like protein 4 mRNA,  
 37534\_at Cluster Incl. Y07593:H.sapiens mRNA for 46 kDa coxsackievirus and adeno  
 39338\_at Cluster Incl. AI201310:qf71b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
**5** 33402\_at Cluster Incl. AL035081:H.sapiens mRNA similar to Xenopus laevis mRNA fo  
 35367\_at Cluster Incl. AB006780:Homo sapiens mRNA for galectin-3, complete cds /  
 36192\_at Cluster Incl. D83777:Human mRNA for KIAA0193 gene, complete cds /cds=(3  
 1877\_g\_at Guanine Nucleotide-Binding Protein Ral, Ras-Oncogene Related
- 10** METAGENE 219 :
- 36354\_at Cluster Incl. AL049689:Novel human mRNA from chromosome 1, similar to T  
 39271\_at Cluster Incl. AA461365:zx70e07.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 39577\_at Cluster Incl. AL050024:Homo sapiens mRNA; cDNA DKFZp564D206 (from  
**15** clone  
 40017\_at Cluster Incl. AL050214:Homo sapiens mRNA; cDNA DKFZp586H2123 (from  
 clon  
 40304\_at Cluster Incl. M69225:Human bullous pemphigoid antigen (BPAG1) mRNA, com  
 40339\_at Cluster Incl. U95367:Human GABA-A receptor pi subunit mRNA, complete cd  
**20** 41618\_at Cluster Incl. M91669:Human Bullous pemphigoid autoantigen BP180 gene, 3  
 33272\_at Cluster Incl. AA829286:of08a01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 36018\_at Cluster Incl. AJ001183:Homo sapiens mRNA for Sox10 protein /cds=(120,15  
 36838\_at Cluster Incl. AF055481:Homo sapiens normal epithelial cell-specific 1 (  
 36929\_at Cluster Incl. U17760:Human laminin S B3 chain (LAMB3) gene /cds=(399,39  
**25** 37582\_at Cluster Incl. X07696:Human mRNA for cytokeratin 15 /cds=(61,1431) /gb=X  
 37954\_at Cluster Incl. X16662:Human mRNA for vascular anticoagulant-beta (VAC-be  
 39052\_at Cluster Incl. J00124:Homo sapiens 50 kDa type I epidermal keratin gene,  
 34301\_r\_at Cluster Incl. Z19574:H.sapiens gene for cytokeratin 17 /cds=(64,1362)  
 34820\_at Cluster Incl. M57399:Human nerve growth factor (HBNF-1) mRNA, complète  
**30** 35280\_at Cluster Incl. Z15008:H.sapiens mRNA for laminin /cds=(117,3698) /gb=Z15  
 32521\_at Cluster Incl. AF056087:Homo sapiens secreted frizzled related protein m  
 1898\_at L24203 /FEATURE= /DEFINITION=HUMDK Homo sapiens ataxia-telangiectasia gr  
 862\_at U04313 /FEATURE= /DEFINITION=HSU04313 Human maspin mRNA, complete cds  
 668\_s\_at L22524 /FEATURE=expanded\_cds /DEFINITION=HUMMATRY06 Human  
**35** matrilysin ge  
 613\_at M21389 /FEATURE=mRNA /DEFINITION=HUMKER2A Human keratin type II (58 kD)  
 m

METAGENE 220 :

33792\_at Cluster Incl. AF043498:Homo sapiens prostate stem cell antigen (PSCA) m  
 37185\_at Cluster Incl. Y00630:Human mRNA for Arg-Serpin (plasminogen activator-i  
 41163\_at Cluster Incl. AL109672:Homo sapiens mRNA full length insert cDNA clone

5

## METAGENE 221 :

34625\_at Cluster Incl. X05153:Human alpha-lactalbumin gene /cds=(26,454) /gb=X05  
 36852\_at Cluster Incl. U42349:Human N33 mRNA, complete cds /cds=(157,1203) /gb=U  
 10 39351\_at Cluster Incl. M84349:Human transmembrane protein (CD59) gene /cds=(18,4  
 39717\_g\_at Cluster Incl. AI597616:tn15f08.x1 Homo sapiens cDNA, 3 end /clone=IM  
 40475\_at Cluster Incl. AJ000388:Homo sapiens mRNA for calpain-like protease CANP  
 35738\_at Cluster Incl. AI347088:qp60d09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 36196\_at Cluster Incl. U24183:Human phosphofructokinase (PFKM) mRNA, complete cd  
 15 37707\_i\_at Cluster Incl. M81118:Human alcohol dehydrogenase chi polypeptide (ADH  
 38797\_at Cluster Incl. D31887:Human mRNA for KIAA0062 gene, partial cds /cds=(0,  
 40213\_at Cluster Incl. M88163:Human global transcription activator homologous se  
 1389\_at J03779 /FEATURE=mRNA /DEFINITION=HUMCALLA Human common acute  
 lymphoblast

20

## METAGENE 222 :

36792\_at Cluster Incl. Z24727:H.sapiens tropomyosin isoform mRNA, complete CDS /  
 32094\_at Cluster Incl. AB017915:Homo sapiens mRNA for condoroitin 6-sulfotransfe  
 25 36536\_at Cluster Incl. AF070614:Homo sapiens clone 24732 unknown mRNA, partial c  
 36543\_at Cluster Incl. J02931:Human placental tissue factor (two forms) mRNA, co  
 38692\_at Cluster Incl. AF045451:Homo sapiens transcriptional regulatory protein  
 39329\_at Cluster Incl. X15804:Human mRNA for alpha-actinin /cds=(198,2876) /gb=X  
 39691\_at Cluster Incl. AB007960:chromosome 1 specific transcript KIAA0491 /cds=U  
 30 40109\_at Cluster Incl. J03161:Human serum response factor (SRF) mRNA, complete c  
 32260\_at Cluster Incl. X86809:H.sapiens mRNA for major astrocytic phosphoprotein  
 33876\_at Cluster Incl. AL050107:Homo sapiens mRNA; cDNA DKFZp586I1419 (from clon  
 34403\_at Cluster Incl. U58516:Human breast epithelial antigen BA46 mRNA, complet  
 34818\_at Cluster Incl. X96381:H.sapiens erm gene, exon 2,3,4,5 (and joined CDS)  
 35 37745\_s\_at Cluster Incl. U15780:Human p82 (ST5) mRNA, alternatively spliced, com  
 38421\_at Cluster Incl. AF070546:Homo sapiens clone 24607 mRNA sequence /cds=UNKN  
 39098\_at Cluster Incl. X52896:H.sapiens RNA for dermal fibroblast elastin /cds=U  
 39170\_at Cluster Incl. AL049957:Homo sapiens mRNA; cDNA DKFZp564J0323 (from clon  
 40279\_at Cluster Incl. D50911:Human mRNA for KIAA0121 gene, complete cds /cds=(4

## METAGENE 223 :

- 40755\_at Cluster Incl. X92841:H.sapiens MICA gene /cds=(39,1196) /gb=X92841 /gi=  
**5** 32623\_at Cluster Incl. AJ225028:Homo sapiens mRNA for GABA-B R1a receptor /cds=(  
 35352\_at Cluster Incl. AB002305:Human mRNA for KIAA0307 gene, complete cds /cds=  
 33169\_at Cluster Incl. U61262:Human neogenin mRNA, complete cds /cds=(136,4521)  
 631\_g\_at L39874 /FEATURE=expanded\_cds /DEFINITION=HUMDODDA Homo sapiens  
 deoxycyt

10

## METAGENE 224 :

- 35408\_i\_at Cluster Incl. X16281:Human mRNA for zinc finger protein (clone 431) /  
 33314\_at Cluster Incl. U69141:Human glutaryl-CoA dehydrogenase mRNA, complete cd  
**15** 34291\_at Cluster Incl. U07424:Human putative tRNA synthetase-like protein mRNA,  
 35135\_at Cluster Incl. X13956:Human 12S RNA induced by poly(rI), poly(rC) and Ne  
 38311\_at Cluster Incl. AF055012:Homo sapiens clone 24615 mRNA sequence /cds=UNKN  
 39729\_at Cluster Incl. L19185:Human natural killer cell enhancing factor (NKEFB)  
 41197\_at Cluster Incl. D21235:Human mRNA for HHR23A protein, complete cds /cds=(  
**20** 36623\_at Cluster Incl. AB011406:Homo sapiens mRNA for alkaline phosphatase, compl  
 37721\_at Cluster Incl. U79262:Human deoxyhypusine synthase mRNA, complete cds /c  
 37722\_s\_at Cluster Incl. U26266:Human deoxyhypusine synthase mRNA, complete cds  
 1751\_g\_at AD000092 /FEATURE=cds#5 /DEFINITION=CH19HHR23 Homo sapiens DNA  
 from ch

25

## METAGENE 225 :

- 38545\_at Cluster Incl. M31682:Human testicular inhibin beta-B-subunit mRNA, 3 e  
 36502\_at Cluster Incl. AB020641:Homo sapiens mRNA for KIAA0834 protein, complete  
**30** 33878\_at Cluster Incl. W27472:31d4 Homo sapiens cDNA /gb=W27472 /gi=1307276 /ug=  
 36937\_s\_at Cluster Incl. U90878:Homo sapiens carboxyl terminal LIM domain protei

## METAGENE 226 :

- 35** 33630\_s\_at Cluster Incl. AF026488:Homo sapiens beta III spectrin (SPTBN2) mRNA,  
 38138\_at Cluster Incl. D38583:Human mRNA for calgizzarin, complete cds /cds=(120  
 38161\_at Cluster Incl. Y09022:H.sapiens mRNA for Not56-like protein /cds=(31,134  
 38172\_at Cluster Incl. AB003151:Homo sapiens DNA, chromosome 21q22.2, PAC clone  
 39262\_at Cluster Incl. U79266:Human clone 23627 mRNA, complete cds /cds=(184,104



	39651_at	Cluster Incl. AB006532:Homo sapiens RecQ4 mRNA for DNA helicase, comple
	40695_at	Cluster Incl. J05272:Human IMP dehydrogenase type 1 mRNA complete cds /
	41037_at	Cluster Incl. U63824:Human transcription factor RTEF-1 (RTEF1) mRNA, co
	31858_at	Cluster Incl. X07315:Human gene for PP15 (placental protein 15) /cds=(9
5	32028_at	Cluster Incl. U85773:Human phosphomannomutase (PMM2) mRNA, complete cds
	32702_at	Cluster Incl. U04810:Human tasin mRNA, complete cds /cds=(110,2446) /g
	33282_at	Cluster Incl. U42408:Human ladinin (LAD) mRNA, complete cds /cds=(219,1
	33307_at	Cluster Incl. AL022316:Human DNA sequence from clone 126B4 on chromosom
	35620_at	Cluster Incl. AF043250:Homo sapiens mitochondrial outer membrane protei
10	35714_at	Cluster Incl. U89606:Human pyridoxal kinase mRNA, complete cds /cds=(6,
	35723_at	Cluster Incl. D16581:Human mRNA for 8-oxo-dGTPase, complete cds /cds=(2
	37945_at	Cluster Incl. U91316:Human acyl-CoA thioester hydrolase mRNA, complete
	38618_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
	39020_at	Cluster Incl. U82938:Human CD27BP (Siva) mRNA, complete cds /cds=(252,8
15	39059_at	Cluster Incl. AF034544:Homo sapiens delta7-sterol reductase mRNA, compl
	39062_at	Cluster Incl. AL008726:dJ337O18.2 (Lysosomal Protective Protein precurs
	39074_at	Cluster Incl. U79241:Human clone 23759 mRNA, partial cds /cds=(0,1315)
	39704_s_at	Cluster Incl. L17131:Human high mobility group protein (HMG-I(Y)) gen
	41732_at	Cluster Incl. AA310786:EST181572 Homo sapiens cDNA, 5 end /clone=ATCC-
20	32186_at	Cluster Incl. M80244:Human E16 mRNA, complete cds /cds=(310,1035) /gb=M
	32229_at	Cluster Incl. AF038957:Homo sapiens translation initiation factor 4e mR
	34865_at	Cluster Incl. AI360249:qy84f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35326_at	Cluster Incl. AF004876:Homo sapiens 54TMP (54tm) mRNA, complete cds /cd
	36185_at	Cluster Incl. D32050:Human mRNA for alanyl-tRNA synthetase, complete cd
25	36678_at	Cluster Incl. D21261:Human mRNA for KIAA0120 gene, complete cds /cds=(7
	38414_at	Cluster Incl. U05340:Human p55CDC mRNA, complete cds /cds=(110,1609) /g
	38808_at	Cluster Incl. D64154:Human mRNA for Mr 110,000 antigen, complete cds /c
	39812_at	Cluster Incl. X79865:H.sapiens Mrp17 mRNA /cds=(137,733) /gb=X79865 /gi
	40195_at	Cluster Incl. X14850:Human H2A.X mRNA encoding histone H2A.X /cds=(73,5
30	40619_at	Cluster Incl. M91670:Human ubiquitin carrier protein (E2-EPF) mRNA, com
	32536_at	Cluster Incl. Z37986:H.sapiens mRNA for phenylalkylamine binding protei
	33206_at	Cluster Incl. C18655:C18655 Homo sapiens cDNA, 5 end /clone=GEN-565G08
	2028_s_at	M96577 /FEATURE= /DEFINITION=HUME2F Homo sapiens (E2F-1) pRB-binding p
35	1196_at	D00591 /FEATURE=exons#7-14 /DEFINITION=HUMRCC1 Homo sapiens RCC1 gene, e
	893_at	M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (E2
	894_g_at	M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (

480\_at U56816 /FEATURE= /DEFINITION=HSU56816 Human kinase Myt1 (Myt1) mRNA,  
comp

160037\_at Z48482 /FEATURE=cds /DEFINITION=HSMMPM2 H.sapiens mRNA for  
membrane-ty

5

METAGENE 227 :

36924\_r\_at Cluster Incl. M25756:Human secretogranin II gene, complete cds /cds=(  
39008\_at Cluster Incl. M13699:Human ceruloplasmin (ferroxidase) mRNA, complete c  
10 36622\_at Cluster Incl. AI989422:ws25a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
37019\_at Cluster Incl. J00129:Human fibrinogen beta-chain mRNA, partial cds /cds  
1713\_s\_at U26727 /FEATURE= /DEFINITION=HSU26727 Human p16INK4/MTS1 mRNA,  
complet

15 METAGENE 228 :

31790\_at Cluster Incl. AL049801:Novel human gene mapping to chromosome 13, simila  
31862\_at Cluster Incl. L20861:Homo sapiens proto-oncogene (Wnt-5a) mRNA, complet  
36925\_at Cluster Incl. L26336:Human heat shock protein HSPA2 gene, complete cds  
20 37642\_at Cluster Incl. D63877:Human mRNA for KIAA0157 gene, partial cds /cds=(0,  
41747\_s\_at Cluster Incl. U49020:Human myocyte-specific enhancer factor 2A (MEF2A  
33870\_at Cluster Incl. AB029005:Homo sapiens mRNA for KIAA1082 protein, partial  
36935\_at Cluster Incl. M23379:Human GTPase-activating protein ras p21 (RASA) mRN  
38805\_at Cluster Incl. X89750:H.sapiens mRNA for TGIF protein /cds=(311,1129) /g  
25 1669\_at L20861 /FEATURE= /DEFINITION=HUMWNT5A Homo sapiens proto-oncogene (Wnt-5  
1229\_at U78556 /FEATURE= /DEFINITION=HSU78556 Human cisplatin resistance associa  
1230\_g\_at U78556 /FEATURE= /DEFINITION=HSU78556 Human cisplatin resistance assoc  
645\_at L26336 /FEATURE=cds /DEFINITION=HUMHSPA2A Human heat shock protein HSPA2

30 METAGENE 229 :

37836\_at Cluster Incl. AB023215:Homo sapiens mRNA for KIAA0998 protein, partial  
38864\_at Cluster Incl. W26851:17b12 Homo sapiens cDNA /gb=W26851 /gi=1306214 /ug  
39614\_at Cluster Incl. AB018345:Homo sapiens mRNA for KIAA0802 protein, partial  
35 40285\_at Cluster Incl. U68140:Homo sapiens nuclear VCP-like protein NVLp.2 (NVL.  
31884\_at Cluster Incl. L40399:Homo sapiens (clone S240ii117/zap112) mRNA, comple  
33791\_at Cluster Incl. Y15227:Homo sapiens mRNA for leukemia associated gene 1 /  
36069\_at Cluster Incl. AB007925:Homo sapiens mRNA for KIAA0456 protein, partial  
37646\_at Cluster Incl. D26018:Human mRNA for KIAA0039 gene, partial cds /cds=(0,

- 39067\_at Cluster Incl. M27937:Human male-enhanced antigen mRNA (Mea), complete c  
 39068\_at Cluster Incl. L76702:Homo sapiens protein phosphatase 2A B56-delta (PP2  
 1955\_s\_at AF035528 /FEATURE= /DEFINITION=AF035528 Homo sapiens Smad6 mRNA,  
 compl  
 5 782\_at U93867 /FEATURE= /DEFINITION=HSU93867 Human RNA polymerase III subunit (R

## METAGENE 230 :

- 34565\_at Cluster Incl. X78416:H.sapiens alpha-s1-casein mRNA /cds=(49,606) /gb=X  
 10 33764\_at Cluster Incl. AF056085:Homo sapiens GABA-B receptor mRNA, complete cds

## METAGENE 231 :

- 31849\_at Cluster Incl. AB011136:Homo sapiens mRNA for KIAA0564 protein, partial  
 15 39397\_at Cluster Incl. M64497:Human apolipoprotein AI regulatory protein (ARP-1)  
 39411\_at Cluster Incl. AL080156:Homo sapiens mRNA; cDNA DKFZp434J214 (from clone  
 40136\_at Cluster Incl. AB014576:Homo sapiens mRNA for KIAA0676 protein, partial  
 32149\_at Cluster Incl. AA532495:nj54a10.s1 Homo sapiens cDNA /clone=IMAGE-996282  
 36583\_at Cluster Incl. U53225:Human sorting nexin 1 (SNX1) mRNA, complete cds /c  
 20 36626\_at Cluster Incl. X87176:H.sapiens mRNA for 17-beta-hydroxysteroid dehydrog  
 38458\_at Cluster Incl. L39945:Human cytochrome b5 (CYB5) gene /cds=(120,548) /gb  
 38459\_g\_at Cluster Incl. L39945:Human cytochrome b5 (CYB5) gene /cds=(120,548) /

## METAGENE 232 :

- 25  
 33632\_g\_at Cluster Incl. AF023612:Homo sapiens Dim1p homolog mRNA, complete cds  
 37826\_at Cluster Incl. AF020761:Homo sapiens stimulator of Fe transport mRNA, co  
 41040\_at Cluster Incl. U77664:Human RNaseP protein p38 (RPP38) mRNA, complete cd  
 32111\_at Cluster Incl. AL050164:Homo sapiens mRNA; cDNA DKFZp586C1622 (from  
 30 clon  
 32647\_at Cluster Incl. AF060902:Homo sapiens vesicle soluble NSF attachment prot  
 32730\_at Cluster Incl. AL080059:Homo sapiens mRNA; cDNA DKFZp564H142 (from  
 clone  
 33247\_at Cluster Incl. U86782:Human 26S proteasome-associated pad1 homolog (POH1  
 35 33759\_at Cluster Incl. X04327:Human erythrocyte 2,3-bisphosphoglycerate mutase m  
 34753\_at Cluster Incl. X92396:H.sapiens mRNA for novel gene in Xq28 region /cds=  
 37610\_at Cluster Incl. AI765280:wi73a08.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38981\_at Cluster Incl. AA203354:zx58b07.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 38992\_at Cluster Incl. X64229:H.sapiens dek mRNA /cds=(33,1160) /gb=X64229 /gi=3

	40115_at	Cluster Incl. D16562:Human mRNA for ATP synthase gamma-subunit (L-type)
	40876_at	Cluster Incl. U31525:Human glycogenin mRNA, complete cds /cds=(127,1128
	41188_at	Cluster Incl. W28186:43c2 Homo sapiens cDNA /gb=W28186 /gi=1308134 /ug=
	41223_at	Cluster Incl. M22760:Homo sapiens nuclear-encoded mitochondrial cytochr
5	41750_at	Cluster Incl. D49489:Human mRNA for protein disulfide isomerase-related
	41760_at	Cluster Incl. AA978033:oq55e04.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32214_at	Cluster Incl. AF003938:Homo sapiens thioredoxin-like protein mRNA, comp
	33429_at	Cluster Incl. AL050225:Homo sapiens mRNA; cDNA DKFZp586M1523 (from clon
10	34297_at	Cluster Incl. U87460:Human putative endothelin receptor type B-like pro
	34368_at	Cluster Incl. U31814:Human transcriptional regulator homolog RPD3 mRNA,
	34383_at	Cluster Incl. AB014458:Homo sapiens hUBP mRNA for ubiquitin specific pr
	34791_at	Cluster Incl. X52882:Human t-complex polypeptide 1 gene /cds=(21,1691)
	34811_at	Cluster Incl. U09813:Human mitochondrial ATP synthase subunit 9, P3 gen
15	35303_at	Cluster Incl. U96876:Homo sapiens insulin induced protein 1 (INSIG1) ge
	35307_at	Cluster Incl. Y13286:Homo sapiens mRNA for GDP dissociation inhibitor b
	35353_at	Cluster Incl. D11094:Human mRNA for MSS1, complete cds /cds=(66,1367) /
	35751_at	Cluster Incl. U17886:Human succinate dehydrogenase iron-protein subunit
	35818_at	Cluster Incl. D00265:Homo sapiens mRNA for cytochrome c, partial cds /c
20	36163_at	Cluster Incl. L13761:Human dihydrolipoamide dehydrogenase gene /cds=(20
	36599_at	Cluster Incl. M55905:Human mitochondrial NAD(P)+ dependent malic enzyme
	36685_at	Cluster Incl. W63793:zc55a10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	37046_at	Cluster Incl. AI246726:qk40a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37347_at	Cluster Incl. AA926959:om68h08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
25	37373_at	Cluster Incl. U27460:Human uridine diphosphoglucose pyrophosphorylase m
	37677_at	Cluster Incl. V00572:Human mRNA encoding phosphoglycerate kinase /cds=(
	37697_s_at	Cluster Incl. L08666:Homo sapiens porin (por) mRNA, complete cds and
	37740_r_at	Cluster Incl. J02683:Human ADP/ATP carrier protein mRNA, complete cds
	38123_at	Cluster Incl. D14878:Human mRNA for protein D123, complete cds /cds=(28
30	38413_at	Cluster Incl. D15057:Human mRNA for DAD-1, complete cds /cds=(66,407) /
	38435_at	Cluster Incl. U25182:Human antioxidant enzyme AOE37-2 mRNA, complete cd
	38728_at	Cluster Incl. D86978:Human mRNA for KIAA0225 gene, partial cds /cds=(0,
	38753_at	Cluster Incl. AF039022:Homo sapiens exportin t mRNA, complete cds /cds=
	38815_at	Cluster Incl. Y08999:H.sapiens mRNA for Sop2p-like protein /cds=(33,114
35	38824_at	Cluster Incl. AF039103:Homo sapiens Tat-interacting protein TIP30 mRNA,
	38846_at	Cluster Incl. AA768912:nz82h06.s1 Homo sapiens cDNA /clone=IMAGE-130201
	39086_g_at	Cluster Incl. AA768912:nz82h06.s1 Homo sapiens cDNA /clone=IMAGE-1302
	39169_at	Cluster Incl. AF054184:Homo sapiens Sec61 gamma mRNA, complete cds /cds
	40269_at	Cluster Incl. U51990:Human hPrp18 mRNA, complete cds /cds=(72,1100) /gb

- 41342\_at Cluster Incl. D38076:Human mRNA for RanBP1 (Ran-binding protein 1), com  
 1659\_s\_at D78132 /FEATURE= /DEFINITION=D78132 Homo sapiens mRNA for ras-related  
 1446\_at D00760 /FEATURE= /DEFINITION=HUMPSC3 Human mRNA for proteasome subunit H  
**5** 1166\_at D78151 /FEATURE= /DEFINITION=HUM26SPSP Human mRNA for 26S proteasome sub  
 890\_at M74524 /FEATURE= /DEFINITION=HUMHHR6A Human HHR6A (yeast RAD 6  
 homologue)  
 652\_g\_at L07493 /FEATURE= /DEFINITION=HUM14RPA Homo sapiens replication  
 protein  
**10** 409\_at X56468 /FEATURE=mRNA /DEFINITION=HS1433 Human mRNA for 14.3.3 protein, a  
 160\_at U43899 /FEATURE= /DEFINITION=HSU43899 Human signal transducing adaptor mo  
 171\_at U56833 /FEATURE= /DEFINITION=HSU56833 Human VHL binding protein-1 (VBP-1)

## METAGENE 233 :

**15**

- 41164\_at Cluster Incl. X67301:H.sapiens mRNA for IgM heavy chain constant region  
 41165\_g\_at Cluster Incl. X67301:H.sapiens mRNA for IgM heavy chain constant regi  
 36591\_at Cluster Incl. X06956:Human HALPHA44 gene for alpha-tubulin, exons 1-3 /  
 2014\_s\_at U39064 /FEATURE= /DEFINITION=HSU39064 Human MAP kinase kinase 6  
**20** mRNA,  
 330\_s\_at Tubulin, Alpha 1, Isoform 44

## METAGENE 234 :

- 25** 32332\_at Cluster Incl. X69433:H.sapiens mRNA for mitochondrial isocitrate dehydr  
 40665\_at Cluster Incl. M83772:Human flavin-containing monooxygenase form II (FMO  
 32030\_at Cluster Incl. X99459:H.sapiens mRNA for sigma 3B protein /cds=(30,611)  
 1014\_at U60325 /FEATURE= /DEFINITION=HSU60325 Human DNA polymerase gamma mRNA,  
 n

**30**

## METAGENE 235 :

- 33974\_at Cluster Incl. Y07847:H.sapiens mRNA for RRP22 protein /cds=(321,932) /g  
 35861\_at Cluster Incl. AA018440:ze50a07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
**35** 37138\_at Cluster Incl. AB018352:Homo sapiens mRNA for KIAA0809 protein, partial  
 37425\_g\_at Cluster Incl. AB029343:Homo sapiens HCR (a-helix coiled-coil rod homo  
 39206\_s\_at Cluster Incl. X17406:Human mRNA for cartilage specific proteoglycan /  
 41035\_at Cluster Incl. AB018318:Homo sapiens mRNA for KIAA0775 protein, complete  
 41414\_at Cluster Incl. AL050346:Novel human gene mapping to chromosome 22 /cds=(3

41829\_at Cluster Incl. AB018274:Homo sapiens mRNA for KIAA0731 protein, partial

METAGENE 236 :

- 5 35571\_at Cluster Incl. AF055917:Homo sapiens protease-activated receptor 4 mRNA,  
 37435\_s\_at Cluster Incl. U52153:Human inwardly rectifying potassium channel Kir3  
 38203\_at Cluster Incl. U69883:Human calcium-activated potassium channel hSK1 (SK  
 38582\_at Cluster Incl. AI961220:wt15b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 39283\_at Cluster Incl. X83543:H.sapiens APXL mRNA /cds=(90,4940) /gb=X83543 /gi=  
 10 33220\_at Cluster Incl. Z11773:Homo sapiens mRNA for SRE-ZBP /cds=(0,1226) /gb=Z1  
 38032\_at Cluster Incl. AB018279:Homo sapiens mRNA for KIAA0736 protein, complete  
 1464\_at S73149 /FEATURE=mRNA /DEFINITION=S73149 insulin-like growth factor II {i  
 917\_g\_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens  
 tyrosine phosp

15

METAGENE 237 :

- 32996\_g\_at Cluster Incl. AC003079:Human BAC clone GS303P24 from 7q21-22 /cds=(0,  
 37186\_s\_at Cluster Incl. U11863:Human clone HP-DAO2 diamine oxidase, copper/topa  
 20 41176\_at Cluster Incl. AF052162:Homo sapiens clone 24655 mRNA sequence /cds=UNKN  
 41177\_at Cluster Incl. AW024285:wt69d06.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38028\_at Cluster Incl. AL050152:Homo sapiens mRNA; cDNA DKFZp586K1220 (from  
 clon

25 METAGENE 238 :

- 36271\_at Cluster Incl. AB028947:Homo sapiens mRNA for KIAA1024 protein, partial  
 38515\_at Cluster Incl. X51801:Human OP-1 mRNA for osteogenic protein./cds=(122,1  
 38792\_at Cluster Incl. AD001528:Homo sapiens spermidine aminopropyltransferase m

30

METAGENE 239 :

- 31488\_s\_at Cluster Incl. S81916:phosphoglycerate kinase {alternatively spliced}  
 35916\_s\_at Cluster Incl. AA877215:ob15e02.s1 Homo sapiens cDNA, 3 end /clone=IM  
 35 38899\_s\_at Cluster Incl. U95822:Human putative transmembrane GTPase mRNA, partia  
 39628\_at Cluster Incl. AI671547:wb33e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35218\_at Cluster Incl. AF022385:Homo sapiens apoptosis-related protein TFAR15 (T  
 38670\_at Cluster Incl. AL031685:dJ963K23.2 (novel protein) /cds=(2,688) /gb=AL03  
 40089\_at Cluster Incl. AJ224442:Homo sapiens mRNA for putative methyltransferase

- 40122\_at Cluster Incl. AF037448:Homo sapiens RRM RNA binding protein Gry-rbp (GR  
 32829\_at Cluster Incl. X97544:H.sapiens mRNA for TIM17 preprotein translocase /c  
 33456\_at Cluster Incl. U24166:Homo sapiens EB1 mRNA, complete cds /cds=(64,870)  
 33932\_at Cluster Incl. X17644:Human GST1-Hs mRNA for GTP-binding protein /cds=(6  
 5 34401\_at Cluster Incl. L32977:Homo sapiens (clone f17252) ubiquinol cytochrome c  
 37324\_at Cluster Incl. X01060:Human mRNA for transferrin receptor /cds=(263,2545  
 37350\_at Cluster Incl. AL031177:dJ889N15.2.1 (26S Proteasome subunit p28 (Ankyri  
 37738\_g\_at Cluster Incl. D25547:Homo sapiens mRNA for PIMT, isozyme I, complete c  
 38380\_at Cluster Incl. Y18863:Homo sapiens mRNA for ribonuclease P protein subun  
 10 41485\_at Cluster Incl. X02152:Human mRNA for lactate dehydrogenase-A (LDH-A, EC  
 33124\_at Cluster Incl. AB000450:Homo sapiens mRNA for VRK2, complete cds /cds=(1  
 1942\_s\_at U37022 /FEATURE=mRNA /DEFINITION=HSU37022 Human cyclin-dependent  
 kinas  
 1839\_at Ras-Like Protein Tc4  
 15 1840\_g\_at Ras-Like Protein Tc4  
 1560\_g\_at U24153 /FEATURE= /DEFINITION=HSU24153 Human p21-activated protein  
 kina  
 1448\_at D00762 /FEATURE= /DEFINITION=HUMPSC8 Human mRNA for proteasome subunit H  
 1449\_at D00763 /FEATURE= /DEFINITION=HUMPSC9 Human mRNA for proteasome subunit H  
 20 1369\_s\_at M28130 /FEATURE=mRNA /DEFINITION=HUMIL8A Human interleukin 8  
 (IL8) gen  
 1313\_at D38048 /FEATURE= /DEFINITION=D38048 Human mRNA for proteasome subunit z,  
 1154\_at J02645 /FEATURE=mRNA /DEFINITION=HUMEIF2A Human translational initiation  
 1130\_at L11284 /FEATURE= /DEFINITION=HUMMEK1NF Homosapiens ERK activator kinase  
 25 1054\_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C, 37-kDa  
 969\_s\_at X98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for  
 ubiquitin  
 757\_at D28364 /FEATURE= /DEFINITION=HUMAI23 Human mRNA for annexin II, 5 UTR (se  
 651\_at L07493 /FEATURE= /DEFINITION=HUM14RPA Homo sapiens replication protein A  
 30 430\_at X00737 /FEATURE=cds /DEFINITION=HSPNP Human mRNA for purine nucleoside ph  
 359\_at Y10659 /FEATURE=cds /DEFINITION=HSIL13RA H.sapiens IL-13Ra mRNA  
 262\_at M21154 /FEATURE=mRNA /DEFINITION=HUMAMD Human S-adenosylmethionine  
 decarb  
 263\_g\_at M21154 /FEATURE=mRNA /DEFINITION=HUMAMD Human S-  
 35 adenosylmethionine deca  
 229\_at M37197 /FEATURE=mRNA /DEFINITION=HUMCBF Human CCAAT-box-binding  
 factor (C  
 167\_at U49436 /FEATURE= /DEFINITION=HSU49436 Human translation initiation factor

## METAGENE 240 :

- 37882\_at Cluster Incl. X63468:H.sapiens mRNA for transcription factor TFIIE alph  
 36174\_at Cluster Incl. X70326:H.sapiens MacMarcks mRNA /cds=(13,600) /gb=X70326  
 5 38839\_at Cluster Incl. AL096719:Homo sapiens mRNA; cDNA DKFZp566N043 (from  
 clone  
 38840\_s\_at Cluster Incl. L10678:Human profilin II mRNA, complete cds /cds=(13,43  
 40567\_at Cluster Incl. X01703:Human gene for alpha-tubulin (b alpha 1) /cds=(213

## 10 METAGENE 241 :

- 32673\_at Cluster Incl. U90543:Human butyrophilin (BTF1) mRNA, complete cds /cds=  
 34378\_at Cluster Incl. X97324:H.sapiens mRNA for adipophilin /cds=(0,1313) /gb=X  
 37706\_at Cluster Incl. U28811:Human cysteine-rich fibroblast growth factor recep

15

## METAGENE 242 :

- 31503\_at Cluster Incl. W28732:50h7 Homo sapiens cDNA /gb=W28732 /gi=1308680 /ug=  
 34651\_at Cluster Incl. M58525:Homo sapiens catechol-O-methyltransferase (COMT) m  
 20 34691\_f\_at Cluster Incl. AF006087:Homo sapiens Arp2/3 protein complex subunit p2  
 34694\_at Cluster Incl. U66618:Human SWI/SNF complex 60 KDa subunit (BAF60b) mRNA  
 39425\_at Cluster Incl. X91247:H.sapiens mRNA for thioredoxin reductase /cds=(439  
 39693\_at Cluster Incl. N53547:yv43b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 41778\_at Cluster Incl. U53347:Human neutral amino acid transporter B mRNA, compl  
 25 37382\_at Cluster Incl. N25117:yx19c09.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 37741\_at Cluster Incl. M77836:Human pyrroline 5-carboxylate reductase mRNA, comp  
 33214\_at Cluster Incl. Y11681:Homo sapiens mRNA for mitochondrial ribosomal prot  
 1306\_at D12686 /FEATURE= /DEFINITION=HUMEIF4G Human mRNA for eukaryotic initiati  
 1312\_at D38047 /FEATURE= /DEFINITION=HUMPSP31 Human mRNA for 26S proteasome subu  
 30 896\_at L21998 /FEATURE= /DEFINITION=HUMMUC2X Homo sapiens intestinal mucin  
 (MUC2  
 910\_at M15205 /FEATURE=cds /DEFINITION=HUMTKRA Human thymidine kinase gene,  
 comp  
 691\_g\_at J02783 /FEATURE=mRNA /DEFINITION=HUMTHBP Human thyroid hormone  
 35 binding  
 455\_at U66618 /FEATURE= /DEFINITION=HSU66618 Human SWI/SNF complex 60 KDa  
 subuni

## METAGENE 243 :



	31536_at	Cluster Incl. AB020693:Homo sapiens mRNA for KIAA0886 protein, complete
	41447_at	Cluster Incl. AB023207:Homo sapiens mRNA for KIAA0990 protein, complete
	34685_at	Cluster Incl. AI685944:tu38g02.x1 Homo sapiens cDNA, 3' end /clone=IMAG
5	37604_at	Cluster Incl. U44111:Human histamine N-methyltransferase (HNMT) gene /c
	38318_at	Cluster Incl. AL050128:Homo sapiens mRNA; cDNA DKFZp586G051 (from
	clone	
	39019_at	Cluster Incl. D14696:Human mRNA for KIAA0108 gene, complete cds /cds=(1
	39037_at	Cluster Incl. L13773:Human AF-4 mRNA, complete cds /cds=(420,4052) /gb=
10	39396_at	Cluster Incl. AF081281:Homo sapiens lysophospholipase (LPL1) mRNA, comp
	39431_at	Cluster Incl. AJ132583:Homo sapiens mRNA for puromycin sensitive aminop
	39741_at	Cluster Incl. D16481:Homo sapiens mRNA for mitochondrial 3-ketoacyl-CoA
	39782_at	Cluster Incl. X95592:H.sapiens mRNA for C1D protein /cds=(117,542) /gb=
	40066_at	Cluster Incl. AF046024:Homo sapiens UBA3 (UBA3) mRNA, complete cds /cds
15	40125_at	Cluster Incl. L10284:Homo sapiens integral membrane protein, calnexin,
	40140_at	Cluster Incl. D76444:Homo sapiens hkf-1 mRNA, complete cds /cds=(922,29
	40844_at	Cluster Incl. D63875:Human mRNA for KIAA0155 gene, complete cds /cds=(8
	41132_r_at	Cluster Incl. U01923:Human BTK region clone fip-3 mRNA /cds=UNKNOWN /
	41212_r_at	Cluster Incl. D26068:Human mRNA for KIAA0038 gene, partial cds /cds=(
20	41785_at	Cluster Incl. U73824:Human p97 mRNA, complete cds /cds=(306,3029) /gb=U
	32150_at	Cluster Incl. X82834:H.sapiens mRNA for golgin /cds=(207,6764) /gb=X828
	33443_at	Cluster Incl. Z99129:Human DNA sequence from clone 425C14 on chromosome
	33845_at	Cluster Incl. W28483:47e11 Homo sapiens cDNA /gb=W28483 /gi=1308431 /ug
	33865_at	Cluster Incl. AA127624:zk89b09.r1 Homo sapiens cDNA, 5' end /clone=IMAG
25	34392_s_at	Cluster Incl. AL050268:Homo sapiens mRNA; cDNA DKFZp564B163 (from clo
	34394_at	Cluster Incl. AB018327:Homo sapiens mRNA for KIAA0784 protein, partial
	34402_at	Cluster Incl. AB024327:Homo sapiens pt-wd mRNA for WD-40 repeat protein
	34781_at	Cluster Incl. D84145:Human WS-3 mRNA, complete cds /cds=(87,659) /gb=D8
	35311_at	Cluster Incl. AF084523:Homo sapiens cellular repressor of E1A-stimulate
30	35761_at	Cluster Incl. AL050073:Homo sapiens mRNA; cDNA DKFZp566E2346 (from
	clon	
	35814_at	Cluster Incl. AF064603:Homo sapiens GA17 protein mRNA, complete cds /cd
	36164_at	Cluster Incl. U82328:Homo sapiens pyruvate dehydrogenase complex protei
	36171_at	Cluster Incl. AI521453:th60h07.x1 Homo sapiens cDNA, 3' end /clone=IMAG
35	36571_at	Cluster Incl. X68060:H.sapiens topIIb mRNA for topoisomerase IIb /cds=(
	36631_at	Cluster Incl. D49396:Human mRNA for Apo1_Human (MER5(Aop1-Mouse)-like
	P	
	36975_at	Cluster Incl. W26659:34d2 Homo sapiens cDNA /gb=W26659 /gi=1307502 /ug=
	36981_at	Cluster Incl. AF070649:Homo sapiens clone 24452 mRNA sequence /cds=UNKN

- 37000\_at Cluster Incl. AL035304:H.sapiens gene from PAC 295C6, similar to rat PO
- 37009\_at Cluster Incl. AL035079:dJ53C18.1 (Catalase) /cds=(74,1657) /gb=AL035079.
- 37035\_at Cluster Incl. AI557272:PT2.1\_15\_G02.r Homo sapiens cDNA, 3 end /clone\_
- 37336\_at Cluster Incl. D87684:Human mRNA for KIAA0242 gene, partial cds /cds=(0,
- 5 37385\_at Cluster Incl. U40763:Human Clk-associated RS cyclophilin CARS-Cyp mRNA,
- 37389\_at Cluster Incl. AI346580:qp51f08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37409\_at Cluster Incl. U88666:Homo sapiens serine kinase SRPK2 mRNA, complete cd
- 37668\_at Cluster Incl. M69039:Human pre-mRNA splicing factor SF2p32, complete se
- 38802\_at Cluster Incl. Y12711:H.sapiens mRNA for putative progesterone binding p
- 10 39160\_at Cluster Incl. D90086:Human pyruvate dehydrogenase (EC 1.2.4.1) beta sub
- 39174\_at Cluster Incl. X77548:H. sapiens cDNA for RFG /cds=(76,1920) /gb=X77548
- 39509\_at Cluster Incl. AI692348:wd85g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41490\_at Cluster Incl. Y00971:Human mRNA for phosphoribosyl pyrophosphate synth
- 41573\_at Cluster Incl. X68560:H.sapiens SPR-2 mRNA for GT box binding protein /c
- 15 33113\_at Cluster Incl. U65093:Human msg1-related gene 1 (mrg1) mRNA, complete cd
- 1913\_at U47414 /FEATURE= /DEFINITION=HSU47414 Human cyclin G2 mRNA, complete cds
- 1728\_at L13689 /FEATURE=mRNA /DEFINITION=HUMBMI1X Human prot-oncogene (BMI-1)
- mR
- 1213\_at U88666 /FEATURE= /DEFINITION=HSU88666 Homo sapiens serine kinase SRPK2 m
- 20 924\_s\_at J03805 /FEATURE= /DEFINITION=HUMALPHLB Human phosphatase 2A
- mRNA, parti
- 723\_s\_at Small Nuclear Ribonucleoprotein, Polypeptide C, Alt. Splice 2
- 193\_at U21858 /FEATURE= /DEFINITION=HSU21858 Human transcriptional activation fa
- 140\_s\_at U68063 /FEATURE= /DEFINITION=HSU68063 Human transformer-2 beta (htra-
- 25 2

## METAGENE 244 :

- 32870\_g\_at Cluster Incl. AF073362:Homo sapiens endo/exonuclease Mre11 (MRE11A) m
- 30 36217\_at Cluster Incl. Z35102:H.sapiens mRNA for Ndr protein kinase /cds=(595,19
- 38571\_at Cluster Incl. Y18046:Homo sapiens mRNA for FOP (FGFR1 oncogene partner)
- 32112\_s\_at Cluster Incl. AI800499:tc11f11.x1 Homo sapiens cDNA, 3 end /clone=IM
- 32113\_at Cluster Incl. U83115:Human non-lens beta gamma-crystallin like protein
- 32661\_s\_at Cluster Incl. D79992:Human mRNA for KIAA0170 gene, complete cds /cds=
- 35 32662\_at Cluster Incl. AL041663:DKFZp434M0217\_s1 Homo sapiens cDNA, 3 end /clon
- 33810\_at Cluster Incl. AF110377:Homo sapiens PCAF-associated factor 400 (PAF400)
- 34659\_at Cluster Incl. AB018334:Homo sapiens mRNA for KIAA0791 protein, complete
- 35651\_at Cluster Incl. AF002715:Homo sapiens MAP kinase kinase kinase (MTK1) mRN
- 37893\_at Cluster Incl. AI828880:wj37b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG

- 39432\_at Cluster Incl. AF038662:Homo sapiens chromosome 3q13 beta-1,4-galactosyl  
 40823\_s\_at Cluster Incl. U85430:Human transcription factor NFATx4 mRNA, complete  
 35314\_at Cluster Incl. D63880:Human mRNA for KIAA0159 gene, complete cds /cds=(7  
 38384\_at Cluster Incl. X54199:Human mRNA for GARS-AIRS-GART /cds=UNKNOWN  
**5** /gb=X54  
 946\_at D50663 /FEATURE= /DEFINITION=D50663 Human mRNA for TCTEL1 gene, complete  
 855\_at S78085 /FEATURE= /DEFINITION=S78085 PDCD2=programmed cell death-2/Rp8 hom

## METAGENE 245 :

**10**

- 35160\_at Cluster Incl. AF064491:Homo sapiens LIM homeobox protein cofactor (CLIM  
 33888\_at Cluster Incl. X82207:H.sapiens mRNA for beta-centractin (PC3) /cds=(56,  
 39154\_at Cluster Incl. AI952982:wp98b06.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1622\_at D87116 /FEATURE= /DEFINITION=D87116 Human mRNA for MAP kinase kinase 3b

**15**

## METAGENE 246 :

- 31684\_at Cluster Incl. M62896:Human lipocortin (LIP) 2 pseudogene mRNA, complete  
 33605\_at Cluster Incl. AF019415:untitled /cds=(105,926) /gb=AF019415 /gi=3955194  
**20** 33606\_g\_at Cluster Incl. AF019415:untitled /cds=(105,926) /gb=AF019415 /gi=39551  
 36710\_at Cluster Incl. Z38026:H.sapiens mRNA for FALL-39 peptide antibiotic /cds  
 36784\_at Cluster Incl. J03071:Human growth hormone (GH-1 and GH-2) and chorionic  
 38977\_at Cluster Incl. U89436:Human tyrosyl-tRNA synthetase mRNA, complete cds /  
 36199\_at Cluster Incl. X76105:H.sapiens DAP-1 mRNA /cds=(159,467) /gb=X76105 /gi  
**25** 37016\_at Cluster Incl. D13900:Homo sapiens mRNA for mitochondrial short-chain en

## METAGENE 247 :

- 36012\_at Cluster Incl. Y09631:H.sapiens mRNA for PIBF1 protein, complete /cds=(0  
**30** 39366\_at Cluster Incl. N36638:yx88f05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 33421\_s\_at Cluster Incl. AB016247:Homo sapiens mRNA for sterol-C5-desaturase, co  
 34377\_at Cluster Incl. J05096:Human Na,K-ATPase subunit alpha 2 (ATP1A2) gene, c

## METAGENE 248 :

**35**

- 36336\_s\_at Cluster Incl. AC005390:Homo sapiens chromosome 19, cosmid R31180 /cds  
 37771\_at Cluster Incl. AB020688:Homo sapiens mRNA for KIAA0881 protein, complete  
 35154\_at Cluster Incl. W68046:zd42a12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 37281\_at Cluster Incl. D87071:Human mRNA for KIAA0233 gene, complete cds /cds=(2

	38310_at	Cluster Incl. AB014591:Homo sapiens mRNA for KIAA0691 protein, complete
	38314_at	Cluster Incl. AB002304:Human mRNA for KIAA0306 gene, partial cds /cds=(
	38647_at	Cluster Incl. AJ131182:Homo sapiens mRNA for Epsilon COP /cds=(42,968)
	38998_g_at	Cluster Incl. X96924:H.sapiens gene encoding mitochondrial citrate tr
5	39076_s_at	Cluster Incl. AI991040:wu36b05.x1 Homo sapiens cDNA, 3 end /clone=IM
	40470_at	Cluster Incl. D10523:Human mRNA for 2-oxoglutarate dehydrogenase, compl
	40489_at	Cluster Incl. D31840:Human DRPLA mRNA for ORF, complete cds /cds=(238,3
	40850_at	Cluster Incl. L37033:Human FK-506 binding protein homologue (FKBP38) mR
	40867_at	Cluster Incl. J02902:Human protein phosphatase 2A regulatory subunit al
10	41134_at	Cluster Incl. AB023181:Homo sapiens mRNA for KIAA0964 protein, complete
	32157_at	Cluster Incl. S57501:protein phosphatase type 1 catalytic subunit [huma
	32209_at	Cluster Incl. AF052151:Homo sapiens clone 24574 mRNA sequence /cds=UNKN
	33863_at	Cluster Incl. U65785:Human 150 kDa oxygen-regulated protein ORP150 mRNA
	33904_at	Cluster Incl. AB000714:Homo sapiens hRVP1 mRNA for RVP1, complete cds /
15	33913_at	Cluster Incl. M33509:Human HLA-B-associated transcript 2 (BAT2) mRNA, c
	33921_at	Cluster Incl. Y15409:Homo sapiens mRNA for putative glucose 6-phosphate
	36125_s_at	Cluster Incl. L38696:Homo sapiens autoantigen p542 mRNA, complete cds
	36138_at	Cluster Incl. X04106:Human mRNA for calcium dependent protease (small s
	36162_at	Cluster Incl. X64364:H.sapiens mRNA for M6 antigen /cds=(57,866) /gb=X6
20	36598_s_at	Cluster Incl. L36818:Human (clone 51C-3) 51C protein mRNA, complete c
	36994_at	Cluster Incl. M62762:Human vacuolar H <sup>+</sup> ATPase proton channel subunit mR
	37346_at	Cluster Incl. M57567:Human ADP-ribosylation factor (hARF5) mRNA, comple
	37753_at	Cluster Incl. U66617:Human SWI/SNF complex 60 KDa subunit (BAF60a) mRNA
	38766_at	Cluster Incl. AB002307:Human mRNA for KIAA0309 gene, partial cds /cds=(
25	41267_at	Cluster Incl. AB028972:Homo sapiens mRNA for KIAA1049 protein, partial
	41337_at	Cluster Incl. AF072902:Homo sapiens gp130 associated protein GAM mRNA,
	41484_r_at	Cluster Incl. X56681:Human junD mRNA /cds=(174,1217) /gb=X56681 /gi=3
	1830_s_at	M38449 /FEATURE= /DEFINITION=HUMTGFB Human transforming growth factor
30	1790_s_at	Cell Division Cycle Protein 2-Related Protein Kinase (Pisslre)
	1642_at	U35113 /FEATURE= /DEFINITION=HSU35113 Human metastasis-associated mta1 m
	1590_s_at	J00277 /FEATURE=cds /DEFINITION=HUMRASH Human (genomic clones lambda-[
	1564_at	M63167 /FEATURE= /DEFINITION=HUMRACPC Human rac protein kinase alpha mRN
35	1274_s_at	L22005 /FEATURE= /DEFINITION=HUMCDC34H Human ubiquitin conjugating enz
	1131_at	L11285 /FEATURE= /DEFINITION=HUMMEK2NF Homosapiens ERK activator kinase
	954_s_at	Protein Phosphatase 1, Alpha Catalytic Subunit

905\_at L76200 /FEATURE= /DEFINITION=HUMGUK1R Human guanylate kinase (GUK1) mRNA,

858\_at S90469 /FEATURE= /DEFINITION=S90469 cytochrome P450 reductase [human, pla

657\_at L11373 /FEATURE= /DEFINITION=HUMPC43ABB Human protocadherin 43 mRNA,

**5** comp

635\_s\_at L42374 /FEATURE=mRNA /DEFINITION=HUMPP2ABA Homo sapiens protein phospho

519\_g\_at U07132 /FEATURE= /DEFINITION=HSU07132 Human steroid hormone receptor Ne

**10** 294\_s\_at Protein Kinase Pitslre, Alpha, Alt. Splice 1-Feb

175\_s\_at U33053 /FEATURE= /DEFINITION=HSU33053 Human lipid-activated protein kin

METAGENE 249 :

**15**

31530\_at Cluster Incl. U89344:Human acetyl-CoA carboxylase (ACC2) mRNA, complete

32287\_s\_at Cluster Incl. AJ001685:Homo sapiens NKG2E gene /cds=(45,767) /gb=AJ00

32297\_s\_at Cluster Incl. AJ001684:Homo sapiens NKG2C gene /cds=(45,740) /gb=AJ00

34183\_at Cluster Incl. AL080169:Homo sapiens mRNA; cDNA DKFZp434C171 (from

**20** clone

METAGENE 250 :

**25** 36691\_at Cluster Incl. X82224:H.sapiens mRNA for glutamine transaminase K /cds=(  
32033\_at Cluster Incl. AL096780:Novel human gene mapping to chromosome 22p13.33 s

36028\_at Cluster Incl. U45285:Human specific 116-kDa vacuolar proton pump subuni

36843\_at Cluster Incl. AB005666:Homo sapiens mRNA for GTPase-activating protein,

39048\_at Cluster Incl. U95299:Human Notch4 (hNotch4) mRNA, complete cds /cds=(90

32238\_at Cluster Incl. AF001383:Homo sapiens amphiphysin II mRNA, complete cds /

**30** 39835\_at Cluster Incl. U93181:Homo sapiens nuclear dual-specificity phosphatase

METAGENE 251 :

**35** 35508\_at Cluster Incl. X79781:H.sapiens ray mRNA /cds=(81,686) /gb=X79781 /gi=76

35619\_at Cluster Incl. AB014534:Homo sapiens mRNA for KIAA0634 protein, partial

36057\_at Cluster Incl. AB011084:Homo sapiens mRNA for KIAA0512 protein, complete

36833\_at Cluster Incl. U78027:Homo sapiens Brutons tyrosine kinase (BTK), alpha-

41837\_at Cluster Incl. AA149431:z126a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG

## METAGENE 252 :

- 35019\_at Cluster Incl. AF054180:Homo sapiens hematopoietic cell derived zinc fin  
 37636\_at Cluster Incl. D86969:Human mRNA for KIAA0215 gene, complete cds /cds=(2  
**5** 39469\_s\_at Cluster Incl. W25905:14g5 Homo sapiens cDNA /gb=W25905 /gi=1306028 /u  
 1723\_g\_at S61953 /FEATURE= /DEFINITION=S61953 c-erbB3=receptor tyrosine kinase {  
 908\_at M14660 /FEATURE=cds /DEFINITION=HUMISG2 Human ISG-54K gene (interferon st

## METAGENE 253 :

**10**

- 35468\_at Cluster Incl. AL050381:Homo sapiens mRNA; cDNA DKFZp586B2023 (from  
 clon  
 38916\_at Cluster Incl. U46023:Human Xq28 mRNA, complete cds /cds=(283,2388) /gb=  
 40401\_at Cluster Incl. AL050069:Homo sapiens mRNA; cDNA DKFZp566A0946 (from  
**15** clon  
 39799\_at Cluster Incl. M94856:Human fatty acid binding protein homologue (PA-FAB

## METAGENE 254 :

- 20** 38918\_at Cluster Incl. AF083105:Homo sapiens HMG box factor SOX-13 mRNA, complet  
 34700\_at Cluster Incl. AF045239:Homo sapiens brain expressed ring finger protein  
 38264\_at Cluster Incl. U74324:Human guanine nucleotide exchange factor mss4 mRNA  
 39722\_at Cluster Incl. AF044209:Homo sapiens nuclear receptor co-repressor N-CoR  
 39763\_at Cluster Incl. M36803:Human hemopexin gene /cds=(28,1416) /gb=M36803 /gi  
**25** 40047\_at Cluster Incl. AF077599:Homo sapiens hypothetical SBBI03 protein mRNA, c  
 34400\_at Cluster Incl. AI540957:PEC1.2\_15\_G03.r Homo sapiens cDNA, 5 end /clone  
 36193\_at Cluster Incl. U52522:Human arfaptin 2, putative target protein of ADP-r  
 36652\_at Cluster Incl. J03824:Human uroporphyrinogen III synthase mRNA, complete  
 1251\_g\_at M64788 /FEATURE= /DEFINITION=HUMRAP1GAP Human GTPase activating  
**30** protei  
 503\_at U37690 /FEATURE= /DEFINITION=HSU37690 Human RNA polymerase II subunit (hs

## METAGENE 255 :

- 35** 35042\_at Cluster Incl. L12398:Homo sapiens dopamine D4 receptor (DRD4) mRNA (D4.  
 41871\_at Cluster Incl. AI660929:wF20a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 33816\_at Cluster Incl. AF020267:Homo sapiens myosin-IXb splice variant (Myo9b) m  
 35992\_at Cluster Incl. AF087036:Homo sapiens musculin mRNA, partial cds /cds=(0,  
 37631\_at Cluster Incl. U14391:Human myosin-IC mRNA, complete cds /cds=(375,3704)

- 37981\_at Cluster Incl. D17530:Homo sapiens mRNA for drebrin E, complete cds /cds  
 39795\_at Cluster Incl. D63475:Human mRNA for KIAA0109 gene, complete cds /cds=(8  
 34407\_at Cluster Incl. U77594:Human tazarotene-induced gene 2 (TIG2) mRNA, compl  
 35796\_at Cluster Incl. Y17169:Homo sapiens mRNA for A6 related protein /cds=(104  
**5** 38087\_s\_at Cluster Incl. W72186:zd69b10.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38832\_r\_at Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(25  
 39166\_s\_at Cluster Incl. D83174:Human mRNA for collagen binding protein 2, compl  
 41850\_s\_at Cluster Incl. U63825:Human hepatitis delta antigen interacting protei  
 32566\_at Cluster Incl. AA165701:zo75g08.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
**10** 33212\_at Cluster Incl. AF006751:Homo sapiens ES/130 mRNA, complete cds /cds=(70,  
 33213\_g\_at Cluster Incl. AF006751:Homo sapiens ES/130 mRNA, complete cds /cds=(7  
 844\_at U48707 /FEATURE= /DEFINITION=HSU48707 Human protein phosphatase-1 inhibit

## METAGENE 256 :

**15**

- 35506\_s\_at Cluster Incl. J03870:Human cystatin SA-I mRNA, complete cds /cds=(70,  
 33963\_at Cluster Incl. M96326:Human azurocidin gene, complete cds /cds=(16,771)  
 36751\_at Cluster Incl. AF035154:Homo sapiens regulator of G-protein signalling 1  
 36785\_at Cluster Incl. Z23090:H.sapiens mRNA for 28 kDa heat shock protein /cds=  
**20** 39045\_at Cluster Incl. W26655:34c9 Homo sapiens cDNA /gb=W26655 /gi=1307498 /ug=  
 37657\_at Cluster Incl. Y16270:Homo sapiens PALM gene, exon 1 and joined CDS /cds  
 103\_at Z19585 /FEATURE=cds /DEFINITION=HSTHROMB4 H.sapiens mRNA for  
 thrombospond

**25** METAGENE 257 :

- 36247\_f\_at Cluster Incl. M12272:Homo sapiens alcohol dehydrogenase class I gamma  
 40782\_at Cluster Incl. AF061741:Homo sapiens retinal short-chain dehydrogenase/r  
 34842\_at Cluster Incl. U41303:Human small nuclear ribonucleoprotein particle N (S  
**30** 36629\_at Cluster Incl. AI635895:tz82a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 36681\_at Cluster Incl. J02611:Human apolipoprotein D mRNA, complete cds /cds=(61  
 37017\_at Cluster Incl. M22430:Human RASF-A PLA2 mRNA, complete cds /cds=(135,569  
 614\_at M22430 /FEATURE= /DEFINITION=HUMRASFA B Human RASF-A PLA2 mRNA,  
 complete c

**35**

## METAGENE 258 :

- 34069\_s\_at Cluster Incl. S79325:SYT...SSX1 {translocation breakpoint} [human, sy  
 38500\_at Cluster Incl. AB002450:Homo sapiens mRNA from chromosome 5q21-22, clone

- 39666\_at Cluster Incl. U31382:Human G protein gamma-4 subunit mRNA, complete cds  
 36516\_at Cluster Incl. AL080143:Homo sapiens mRNA; cDNA DKFZp434N043 (from clone  
 1912\_s\_at M74088 /FEATURE= /DEFINITION=HUMFAPAPC Human APC gene mRNA,  
**5** complete c  
 1671\_s\_at L35253 /FEATURE= /DEFINITION=HUMMAPKNS Human p38 mitogen  
 activated pro  
 1518\_at J04101 /FEATURE= /DEFINITION=HUMETS1A Human erythroblastosis virus oncog  
 672\_at J03764 /FEATURE=cds /DEFINITION=HUMPAIA Human, plasminogen activator inhi  
**10** 591\_s\_at M33684 /FEATURE=cds /DEFINITION=HUMPPPBIAS Human (clone lambda-  
 16-1) no  
 352\_at D30036 /FEATURE= /DEFINITION=HUMPITPA Human mRNA for phosphatidylinositol
- METAGENE 259 :
- 15**
- 31663\_at Cluster Incl. AB016902:Homo sapiens HGC6.3 mRNA, complete cds /cds=(287  
 39578\_at Cluster Incl. W27191:23e6 Homo sapiens cDNA /gb=W27191 /gi=1306707 /ug=  
 41106\_at Cluster Incl. AF022797:Homo sapiens intermediate conductance calcium-ac  
 35134\_at Cluster Incl. U47054:Human putative mono-ADP-ribosyltransferase (htMART  
**20** 39723\_at Cluster Incl. AF062536:Homo sapiens cullin 1 mRNA, complete cds /cds=(1  
 37343\_at Cluster Incl. U01062:Human type 3 inositol 1,4,5-trisphosphate receptor  
 1740\_g\_at M99487 /FEATURE= /DEFINITION=HUMPSM Human prostate-specific  
 membrane a  
 182\_at U01062 /FEATURE=mRNA /DEFINITION=HUMIP3R3 Human type 3 inositol 1,4,5-tri
- 25**
- METAGENE 260 :
- 31966\_at Cluster Incl. S48220:type I 5 iodothyronine deiodinase [human, mRNA, 22  
 39623\_at Cluster Incl. X65724:H.sapiens DNA for ORF1 and ORF2 from chromosome X  
**30** 40409\_at Cluster Incl. U46689:Human microsomal aldehyde dehydrogenase (ALD10) mR  
 40772\_at Cluster Incl. AA284298:zc30c10.T7 Homo sapiens cDNA, 3 end /clone=IMAG  
 41826\_at Cluster Incl. W28287:47f12 Homo sapiens cDNA /gb=W28287 /gi=1308442 /ug=  
 32527\_at Cluster Incl. AI381790:te41h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35** METAGENE 261 :
- 32004\_s\_at Cluster Incl. W32483:zc67e07.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 33629\_at Cluster Incl. AJ001982:Homo sapiens WWp2-like mRNA complete cds /cds=UN  
 35569\_at Cluster Incl. AB015330:Homo sapiens HRIHFB2007 mRNA, partial cds /cds=(



	34478_at	Cluster Incl. X79780:H.sapiens YPT3 mRNA /cds=(6,662) /gb=X79780 /gi=76
	35426_at	Cluster Incl. AC004410:Homo sapiens chromosome 19, fosmid 39554 /cds=(0
	36231_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
	37102_at	Cluster Incl. AA203717:zx52f12.r1 Homo sapiens cDNA, 5 end /clone=IMAG
5	39274_at	Cluster Incl. X58521:Human mRNA for p62 nucleoporin /cds=(151,1719) /gb
	39968_at	Cluster Incl. U50136:Human leukotriene C4 synthase (LTC4S) gene, comple
	38622_at	Cluster Incl. W28953:54b7 Homo sapiens cDNA /gb=W28953 /gi=1308901 /ug=
	38726_at	Cluster Incl. W80399:zh49e04.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	39030_at	Cluster Incl. AJ133534:Homo sapiens mRNA for prenylated Rab acceptor 1
10	39347_at	Cluster Incl. X97074:H.sapiens mRNS for clathrin-associated protein /cd
	32177_s_at	Cluster Incl. AC004084:Homo sapiens BAC clone RG158O17 from 7q22-q31.
	32750_r_at	Cluster Incl. X53416:Human mRNA for actin-binding protein (filamin) (
	32836_at	Cluster Incl. U56417:Human lysophosphatidic acid acyltransferase-alpha
	32844_at	Cluster Incl. AF104913:Homo sapiens eukaryotic protein synthesis initia
15	33414_at	Cluster Incl. X57398:Human mRNA for pM5 protein /cds=(0,3572) /gb=X5739
	36151_at	Cluster Incl. U60644:Human HU-K4 mRNA, complete cds /cds=(487,1800) /gb
	36977_at	Cluster Incl. U39412:Homo sapiens alpha SNAP mRNA, complete cds /cds=(6
	38434_at	Cluster Incl. M95627:Homo sapiens angio-associated migratory cell prote
	38799_at	Cluster Incl. AF068706:Homo sapiens gamma2-adaptin (G2AD) mRNA, complet
20	32556_at	Cluster Incl. X64044:H.sapiens mmRNA for large subunit of splicing fact
	2065_s_at	L22473 /FEATURE= /DEFINITION=HUMBAXA Human Bax alpha mRNA,
	complete cd	
	2067_f_at	L22475 /FEATURE= /DEFINITION=HUMBAXG Human Bax gamma mRNA,
	complete cd	
25	1726_at	Dna Polymerase, Epsilon, Catalytic Subunit
	1703_g_at	S75174 /FEATURE= /DEFINITION=S75174 E2F-4=transcription factor [human,
	1707_g_at	U01337 /FEATURE=expanded_cds /DEFINITION=HSU01337 Human Ser/Thr
	protei	
	1362_s_at	M84820 /FEATURE= /DEFINITION=HUMRXRB Human retinoid X receptor
30	beta (R	
	957_at	Arrestin, Beta 2
	918_at	Atp-Binding Cassette Protein
	845_at	U16031 /FEATURE= /DEFINITION=HSU16031 Human transcription factor IL-4 Sta
	625_at	L78833 /FEATURE=cds#4 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7 and vafI
35	gen	
	518_at	U07132 /FEATURE= /DEFINITION=HSU07132 Human steroid hormone receptor Ner-
	423_at	X66899 /FEATURE=cds /DEFINITION=HSEWS H.sapiens EWS mRNA
	391_at	X89416 /FEATURE=cds /DEFINITION=HSRNAPPP5 H.sapiens mRNA for protein phos

239\_at M63138 /FEATURE=mRNA /DEFINITION=HUMCATD5 Human cathepsin D (catD) gene,

207\_at M86752 /FEATURE= /DEFINITION=HUMIEF Human transformation-sensitive protei

## 5 METAGENE 262 :

- 33980\_at Cluster Incl. X52638:Human mRNA for 6-phosphofructo-2-kinase/fructose-2
- 38853\_at Cluster Incl. X81892:H.sapiens mRNA for HE6 Tm7 receptor /cds=(72,3116)
- 36455\_at Cluster Incl. L41162:Homo sapiens collagen alpha 3 type IX (COL9A3) mRN
- 10 32242\_at Cluster Incl. AL038340:DKFZp566K192\_s1 Homo sapiens cDNA, 3 end /clone
- 32243\_g\_at Cluster Incl. AL038340:DKFZp566K192\_s1 Homo sapiens cDNA, 3 end /clo
- 36667\_at Cluster Incl. U47025:Human fetal brain glycogen phosphorylase B mRNA, c
- 38803\_at Cluster Incl. AF052142:Homo sapiens clone 24665 mRNA sequence /cds=UNKN
- 41815\_at Cluster Incl. AL080133:Homo sapiens mRNA; cDNA DKFZp434G173 (from
- 15 clone

## METAGENE 263 :

- 31605\_at Cluster Incl. U72518:Human destrin-2 pseudogene mRNA, complete cds /cds
- 20 31690\_at Cluster Incl. U08997:Human glutamate dehydrogenase gene, complete cds /
- 32316\_s\_at Cluster Incl. X15183:Human mRNA for 90-kDa heat-shock protein /cds=(6
- 35435\_s\_at Cluster Incl. AF001903:Human 3-hydroxyacyl-CoA dehydrogenase, isoform
- 38581\_at Cluster Incl. U40038:Human GTP-binding protein alpha q subunit (GNAQ) m
- 33716\_at Cluster Incl. N95443:zb81c12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 25 34733\_at Cluster Incl. X85237:H.sapiens mRNA for splicing factor SF3a120 /cds=(9
- 36535\_at Cluster Incl. U04209:Human associated microfibrillar protein mRNA, comp
- 37250\_at Cluster Incl. AB007191:Homo sapiens mRNA for AMY-1, complete cds /cds=(
- 37619\_at Cluster Incl. D42084:Human mRNA for KIAA0094 gene, partial cds /cds=(0,
- 38695\_at Cluster Incl. AA203303:zx55b01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 30 38702\_at Cluster Incl. AF070640:Homo sapiens clone 24781 mRNA sequence /cds=UNKN
- 39009\_at Cluster Incl. N98670:yy66d08.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 39380\_at Cluster Incl. AB014597:Homo sapiens mRNA for KIAA0697 protein, partial
- 39386\_at Cluster Incl. D14811:Human mRNA for KIAA0110 gene, complete cds /cds=(3
- 39685\_at Cluster Incl. AL050282:Homo sapiens mRNA; cDNA DKFZp586H2219 (from
- 35 ,clon
- 39686\_g\_at Cluster Incl. AL050282:Homo sapiens mRNA; cDNA DKFZp586H2219 (from cl
- 39790\_at Cluster Incl. M23115:Homo sapiens calcium-ATPase (HK2) mRNA, complete c
- 40084\_at Cluster Incl. U03494:Human transcription factor LSF mRNA, complete cds
- 40473\_at Cluster Incl. AF024636:Homo sapiens STE20-like kinase 3 (mst-3) mRNA, c

- 40874\_at Cluster Incl. AJ005259:Homo sapiens mRNA for EDF-1 protein /cds=(34,480  
 41754\_at Cluster Incl. M92439:Human leucine-rich protein mRNA, complete cds /cds  
 32765\_f\_at Cluster Incl. W28330:45d4 Homo sapiens cDNA /gb=W28330 /gi=1308278 /u  
 33820\_g\_at Cluster Incl. X13794:H.sapiens lactate dehydrogenase B gene exon 1 an  
 5 34307\_at Cluster Incl. U81006:Human p76 mRNA, complete cds /cds=(133,2124) /gb=U  
 34356\_at Cluster Incl. U52960:Human RNA polymerase II complex component SRB7 mRN  
 34774\_at Cluster Incl. U44772:Human palmitoyl protein thioesterase mRNA, complet  
 35325\_at Cluster Incl. AF052113:Homo sapiens clone 23675 mRNA sequence /cds=UNKN  
 35754\_at Cluster Incl. L40391:Homo sapiens (clone s153) mRNA fragment /cds=UNKNO  
 10 35759\_at Cluster Incl. AF026166:Homo sapiens chaperonin-containing TCP-1 beta su  
 35793\_at Cluster Incl. AB014560:Homo sapiens mRNA for KIAA0660 protein, complete  
 37029\_at Cluster Incl. X83218:H.sapiens mRNA for ATP synthase /cds=(36,677) /gb=  
 37318\_at Cluster Incl. X81625:H.sapiens mRNA for Cl1 protein /cds=(135,1448) /gb  
 37675\_at Cluster Incl. X60036:H.sapiens mRNA for mitochondrial phosphate carrier  
 15 38035\_at Cluster Incl. AF072928:Homo sapiens myotubularin related protein 6 mRNA  
 38431\_at Cluster Incl. U09759:Human protein kinase (JNK2) mRNA, complete cds /cd  
 38476\_at Cluster Incl. L13434:Human chromosome 3p21.1 gene sequence, complete cd  
 38820\_at Cluster Incl. AF051894:Homo sapiens 15 kDa selenoprotein mRNA, complete  
 39097\_at Cluster Incl. X63753:H.sapiens son-a mRNA /cds=(414,4985) /gb=X63753 /g  
 20 39118\_at Cluster Incl. L08069:Human heat shock protein, E. coli DnaJ homologue m  
 39860\_at Cluster Incl. U05040:Human FUSE binding protein mRNA, complete cds /cds  
 40189\_at Cluster Incl. M93651:Human set gene, complete cds /cds=(3,836) /gb=M936  
 40637\_at Cluster Incl. Y00371:Human hsc70 gene for 71 kd heat shock cognate prot  
 40962\_s\_at Cluster Incl. D26155:Human mRNA for transcriptional activator hSNF2a,  
 25 41253\_s\_at Cluster Incl. AI983043:wz30b11.x1 Homo sapiens cDNA, 3 end /clone=IM  
 41495\_at Cluster Incl. W37606:zc12a03.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 41510\_s\_at Cluster Incl. L15189:Homo sapiens mitochondrial HSP75 mRNA, complete  
 41514\_s\_at Cluster Incl. W26628:34a4 Homo sapiens cDNA /gb=W26628 /gi=1307471 /u  
 32547\_at Cluster Incl. X56253:Human MPR46 gene for 46kd mannose 6-phosphate rece  
 30 32569\_at Cluster Incl. L13385:Homo sapiens(clone 71) Miller-Dieker lissencephaly  
 32573\_at Cluster Incl. AL021546:Human DNA sequence from BAC 15E1 on chromosome 1  
 2093\_s\_at J04977 /FEATURE=mRNA /DEFINITION=HUMKUANT Human Ku  
 autoimmune antigen  
 2010\_at U33760 /FEATURE= /DEFINITION=HSU33760 Human cyclin A/CDK2-associated p19  
 35 1969\_s\_at X77743 /FEATURE=cds /DEFINITION=HSCDKAK H.sapiens CDK activating  
 kinas  
 1624\_at Stimulatory Gdp/Gtp Exchange Protein For C-Ki-Ras P21 And Smg P21  
 1453\_at U68018 /FEATURE= /DEFINITION=HSU68018 Human mad protein homolog (hMAD-2)  
 1238\_at U09759 /FEATURE= /DEFINITION=HSU09759 Human protein kinase (JNK2) mRNA,

- 1179\_at Heat Shock Protein, 70 Kda  
 1180\_g\_at Heat Shock Protein, 70 Kda  
 1119\_at J05249 /FEATURE= /DEFINITION=HUMREPA Human replication protein A 32-kDa  
 1009\_at U51004 /FEATURE= /DEFINITION=HSU51004 Homo sapiens protein kinase C inh  
**5** 853\_at S74017 /FEATURE= /DEFINITION=S74017 Nrf2=NF-E2-like basic leucine zipper  
 781\_at X98001 /FEATURE=cds /DEFINITION=HSGGII H.sapiens mRNA for geranylgeranyl  
 756\_at D26350 /FEATURE= /DEFINITION=HUMHT2I Human mRNA for type 2 inositol 1,4,5  
 630\_at L39874 /FEATURE=expanded\_cds /DEFINITION=HUMDODDA Homo sapiens  
 deoxycytid  
**10** 621\_at M28211 /FEATURE= /DEFINITION=HUMRAB4A Homo sapiens GTP-binding protein (R  
 584\_s\_at M30938 /FEATURE=mRNA#1 /DEFINITION=HUMKUP Human Ku (p70/p80)  
 subunit mR  
 457\_s\_at U67122 /FEATURE= /DEFINITION=HSU67122 Human ubiquitin-related protein  
 S  
**15** 306\_s\_at J02621 /FEATURE=mRNA /DEFINITION=HUMHMG14 Human non-histone  
 chromosomal

## METAGENE 264 :

- 20** 31396\_r\_at Cluster Incl. AB012851:Homo sapiens mRNA for Musashi, complete cds /c  
 35045\_r\_at Cluster Incl. X60655:H.sapiens EVX1 mRNA /cds=(228,1451) /gb=X60655 /  
 32274\_r\_at Cluster Incl. AF052148:Homo sapiens clone 24507 mRNA sequence /cds=UN  
 32933\_r\_at Cluster Incl. AL050122:Homo sapiens mRNA; cDNA DKFZp586E121 (from clo  
 33293\_at Cluster Incl. AB023167:Homo sapiens mRNA for KIAA0950 protein, partial  
**25** 32162\_r\_at Cluster Incl. AI817548:wk24e08.x1 Homo sapiens cDNA, 3 end /clone=IM  
 37404\_at Cluster Incl. AF030152:Homo sapiens regulator of G protein signaling 12  
 2030\_at N95031 /FEATURE= /DEFINITION=N95031 zb32b01.s1 Soares\_parathyroid\_tumor\_  
 1092\_at M65199 /FEATURE= /DEFINITION=HUMET2A Human endothelin 2 (ET2) mRNA,  
 comp  
**30** 1026\_s\_at U41068 /FEATURE=cds /DEFINITION=HSCOLLA5 Human collagen alpha2(XI)  
 (CO

## METAGENE 265 :

- 35** 35588\_at Cluster Incl. AB011414:Homo sapiens ZK1 mRNA for Kruppel-type zinc fing  
 31798\_at Cluster Incl. AA314825:EST186646 Homo sapiens cDNA, 5 end /clone=ATCC-  
 35669\_at Cluster Incl. AB014533:Homo sapiens mRNA for KIAA0633 protein, partial  
 36828\_at Cluster Incl. AB002324:Human mRNA for KIAA0326 gene, partial cds /cds=(  
 36643\_at Cluster Incl. L20817:Homo sapiens tyrosine protein kinase (CAK) gene, c

40273\_at Cluster Incl. AA485440:zx90g03.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 1007\_s\_at U48705 /FEATURE=mRNA /DEFINITION=HSU48705 Human receptor tyrosine  
 kina

**5** METAGENE 266 :

35377\_at Cluster Incl. AL080159:Homo sapiens mRNA; cDNA DKFZp434M154 (from  
 clone  
 37618\_at Cluster Incl. M16937:Human homeo box c1 protein, mRNA, complete cds /cd  
**10** 38733\_at Cluster Incl. M30938:Human Ku (p70/p80) subunit mRNA, complete cds /cds  
 32554\_s\_at Cluster Incl. Y12781:Homo sapiens mRNA for transducin (beta) like 1 p  
 1855\_at X14445 /FEATURE=expanded\_cds /DEFINITION=HSINT2 Human int-2 proto-oncoge  
 1187\_at X84740 /FEATURE=mRNA /DEFINITION=HSDNALIG3 H.sapiens mRNA for DNA  
 ligase  
**15** 585\_at M30938 /FEATURE=mRNA#2 /DEFINITION=HUMKUP Human Ku (p70/p80) subunit  
 mRNA

METAGENE 267 :

**20** 37467\_at Cluster Incl. K02882:Human germline IgD chain gene, C-region, C-delta-1

METAGENE 268 :

39658\_at Cluster Incl. AB007901:Homo sapiens KIAA0441 mRNA, complete cds /cds=(1  
**25** 34740\_at. Cluster Incl. AF032886:Homo sapiens forkhead protein (FKHRL1) mRNA, com  
 37950\_at Cluster Incl. X74496:H.sapiens mRNA for prolyl oligopeptidase /cds=(0,2  
 39013\_at Cluster Incl. Y11588:H.sapiens mRNA for apoptosis specific protein /cds  
 39360\_at Cluster Incl. AF034546:Homo sapiens sorting nexin 3 (SNX3) mRNA, comple  
 34349\_at Cluster Incl. AJ011779:Homo sapiens mRNA for SEC63 protein /cds=(98,238  
**30** 34359\_at Cluster Incl. AA524058:ng33b12.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 34819\_at Cluster Incl. D14043:Human mRNA for MGC-24, complete cds /cds=(79,648)  
 41798\_at Cluster Incl. AJ222801:Homo sapiens mRNA for neutral sphingomyelinase /  
 202\_at M65217 /FEATURE= /DEFINITION=HUMHSF2 Human heat shock factor 2 (HSF2) mRN

**35** METAGENE 269 :

39788\_at Cluster Incl. X81889:H.sapiens mRNA for p0071 protein /cds=(141,3776) /  
 34776\_at Cluster Incl. W27541:32c12 Homo sapiens cDNA /gb=W27541 /gi=1307345 /ug  
 34780\_at Cluster Incl. AB002313:Human mRNA for KIAA0315 gene, partial cds /cds=(

- 35844\_at Cluster Incl. D79206:Homo sapiens gene for ryudocan core protein, exon1  
 2047\_s\_at M23410 /FEATURE= /DEFINITION=HUMPLAKO Human plakoglobin (PLAK) mRNA, c  
 2051\_at M31767 /FEATURE=mRNA /DEFINITION=HUMDNAMET Human O6-methylguanine-  
**5** DNA me  
 1532\_g\_at U50535 /FEATURE= /DEFINITION=HSU50535 Human BRCA2 region, mRNA sequenc  
 634\_at L41351 /FEATURE=mRNA /DEFINITION=HUMPROS Homo sapiens prostatin mRNA, com  
**10** METAGENE 270 :  
 31342\_at Cluster Incl. X85019:H.sapiens mRNA for UDP-GalNAc-polypeptide N-acetyl  
 31682\_s\_at Cluster Incl. D32039:Human pgH3 mRNA for proteoglycan PG-M(V3), compl  
**15** 31720\_s\_at Cluster Incl. M10905:Human cellular fibronectin mRNA /cds=(0,2383) /g  
 35474\_s\_at Cluster Incl. Y15915:Homo sapiens mRNA for chimaeric transcript of co  
 39254\_at Cluster Incl. AL050011:Homo sapiens mRNA; cDNA DKFZp564G013 (from clone  
 41098\_at Cluster Incl. AB002379:Human mRNA for KIAA0381 gene, partial cds /cds=(  
**20** 32098\_at Cluster Incl. M20777:Homo sapiens, alpha-2 (VI) collagen /cds=UNKNOWN /  
 34747\_at Cluster Incl. X83535:H.sapiens mRNA for membrane-type matrix metallopro  
 39018\_at Cluster Incl. AF026977:Homo sapiens microsomal glutathione S-transferas  
 40126\_at Cluster Incl. Z97200:Homo sapiens DNA sequence from PAC 79C4 on chromos  
 41350\_at Cluster Incl. M20776:Homo sapiens, alpha-1 (VI) collagen /cds=UNKNOWN /  
**25** 311\_s\_at Fibronectin, Alt. Splice 1  
 128\_at X82153 /FEATURE=cds /DEFINITION=HSOC2RNA H.sapiens mRNA for cathepsin O  
 129\_g\_at X82153 /FEATURE=cds /DEFINITION=HSOC2RNA H.sapiens mRNA for cathepsin O  
**30** METAGENE 271 :  
 33499\_s\_at Cluster Incl. AF067420:Homo sapiens SNC73 protein (SNC73) mRNA, compl  
 33500\_i\_at Cluster Incl. S71043:Ig alpha 2=immunoglobulin A heavy chain allotype  
 33501\_r\_at Cluster Incl. S71043:Ig alpha 2=immunoglobulin A heavy chain allotype  
**35** 33382\_at Cluster Incl. M92449:Human LTR mRNA, 3' end of coding region and 3' fla  
 38124\_at Cluster Incl. X55110:Human mRNA for neurite outgrowth-promoting protein  
 577\_at M94250 /FEATURE=expanded\_cds /DEFINITION=HUMMKXX Human retinoic acid indu

## METAGENE 272 :

- 33674\_at Cluster Incl. Z49148:H.sapiens mRNA for ribosomal protein L29 /cds=(29,  
41108\_at Cluster Incl. Y14391:Homo sapiens mRNA for putative GTP-binding protein  
**5** 41115\_s\_at Cluster Incl. AB018277:Homo sapiens mRNA for KIAA0734 protein, partia  
41637\_at Cluster Incl. AF108145:Homo sapiens MYLE mRNA, complete cds /cds=(52,25  
41865\_at Cluster Incl. AF052185:Homo sapiens clone 24418 mRNA sequence /cds=UNKN  
33315\_at Cluster Incl. M29204:Human DNA-binding factor mRNA, complete cds /cds=(  
34260\_at Cluster Incl. AB014583:Homo sapiens mRNA for KIAA0683 protein, complete  
**10** 35987\_g\_at Cluster Incl. AL050395:Homo sapiens mRNA; cDNA DKFZp586D1020 (from cl  
36519\_at Cluster Incl. M13194:Human excision repair protein (ERCC1) mRNA, comple  
36553\_at Cluster Incl. AA669799:ag36c04.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
38251\_at Cluster Incl. AI127424:qb75b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
38274\_at Cluster Incl. U09584:Human PL6 protein (PL6) mRNA, complete cds /cds=(2  
**15** 32858\_at Cluster Incl. AI341565:qq94g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
34841\_at Cluster Incl. AC002544:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-  
35265\_at Cluster Incl. U31501:Human fragile X mental retardation syndrome relate  
36137\_at Cluster Incl. X86691:H.sapiens mRNA for 218kD Mi-2 protein /cds=(89,582  
36624\_at Cluster Incl. L33842:Homo sapiens (clone FFE-7) type II inosine monopho  
**20** 37713\_at Cluster Incl. L07548:Human aminoacylase-1 (ACY1) mRNA, complete cds /cd  
38376\_at Cluster Incl. L46590:Homo sapiens very long chain acyl-CoA dehydrogenas  
38798\_s\_at Cluster Incl. AI741833:wg29e04.x1 Homo sapiens cDNA, 3 end /clone=IM  
39867\_at Cluster Incl. S75463:P43=mitochondrial elongation factor homolog [human  
2052\_g\_at M31767 /FEATURE=mRNA /DEFINITION=HUMDNAMET Human O6-  
**25** methylguanine-DNA  
1878\_g\_at M13194 /FEATURE=mRNA /DEFINITION=HUMERCC1 Human excision repair  
protei  
1817\_at D89667 /FEATURE= /DEFINITION=D89667 Homo sapiens mRNA for c-myc binding  
1468\_at U12595 /FEATURE= /DEFINITION=HSU12595 Human tumor necrosis factor type 1  
**30** 1243\_at U18300 /FEATURE= /DEFINITION=HSU18300 Human damage-specific DNA binding

## METAGENE 273 :

- 35907\_at Cluster Incl. Z36714:H.sapiens mRNA for cyclin F /cds=(43,2403) /gb=Z36  
**35** 41400\_at Cluster Incl. K02581:Human thymidine kinase mRNA, complete cds /cds=(57  
37184\_at Cluster Incl. L37792:Human syntaxin 1A mRNA, complete cds /cds=(1,867)  
37927\_at Cluster Incl. X12654:Human mRNA for cell cycle gene RCC1 /cds=(182,1447  
37985\_at Cluster Incl. L37747:Homo sapiens lamin B1 gene /cds=(340,2100) /gb=L37  
37305\_at Cluster Incl. U61145:Human enhancer of zeste homolog 2 (EZH2) mRNA, com

- 37326\_at Cluster Incl. U93305:Homo sapiens A4 differentiation-dependent protein
- 38094\_at Cluster Incl. M65028:Human hnRNP type A/B protein mRNA, complete cds /c
- 39108\_at Cluster Incl. U22526:Human 2,3-oxidosqualene-lanosterol cyclase mRNA, c
- 40532\_at Cluster Incl. U75285:Homo sapiens apoptosis inhibitor survivin gene, co
- 5 32617\_at Cluster Incl. W74442:zd75e09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 33135\_at Cluster Incl. U17566:Human 65 kDa hydrophobic protein mRNA, complete cd
- 1854\_at X13293 /FEATURE=cds /DEFINITION=HSBMYB Human mRNA for B-myb gene
- 1782\_s\_at M31303 /FEATURE=mRNA /DEFINITION=HUMOP18A Human oncoprotein 18 (Op18)
- 10 967\_g\_at X97795 /FEATURE=cds /DEFINITION=HSRAD54 H.sapiens mRNA homologous to S.
- 348\_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-related prote
- METAGENE 274 :
- 15
- 31685\_at Cluster Incl. Y08976:H.sapiens mRNA for FEV protein /cds=(584,1300) /gb
- 31759\_at Cluster Incl. W26220:22d9 Homo sapiens cDNA /gb=W26220 /gi=1306631 /ug=
- 33685\_at Cluster Incl. AC004755:Homo sapiens chromosome 19, fosmid 37502 /cds=(0
- 33503\_at Cluster Incl. W29105:56d8 Homo sapiens cDNA /gb=W29105 /gi=1309071 /ug=
- 20 34525\_at Cluster Incl. AB018563:Homo sapiens TML1 mRNA, complete cds /cds=(30,41
- 34926\_at Cluster Incl. M28825:Human thymocyte antigen CD1a mRNA, complete cds /c
- 36765\_at Cluster Incl. AL080154:Homo sapiens mRNA; cDNA DKFZp434I114 (from clone
- 36779\_at Cluster Incl. X90908:H.sapiens mRNA for I-15P (I-BABP) protein /cds=(12
- 38506\_at Cluster Incl. X58840:Human mRNA for variant hepatic nuclear factor 1 (v
- 25 41030\_at Cluster Incl. X99350:H.sapiens HFH4 gene, exon 1 and joined CDS /cds=(2
- 41099\_at Cluster Incl. X84740:H.sapiens mRNA for DNA ligase III /cds=(333,3101)
- 33740\_at Cluster Incl. AF023268:Homo sapiens clk2 kinase (CLK2), propin1, cotel1,
- 33754\_at Cluster Incl. U43203:Human thyroid transcription factor 1 (TTF-1) mRNA,
- 33808\_at Cluster Incl. AL022721:dJ109F14.1.1 (Transcriptional Enhancer Factor TE
- 30 35686\_s\_at Cluster Incl. Z24459:H.sapiens MTCP1 gene, exons 2A to 7 (and joined
- 33346\_r\_at Cluster Incl. M61764:Human gamma-tubulin mRNA, complete cds /cds=(24,
- 33857\_at Cluster Incl. N25122:yx19d10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 34298\_at Cluster Incl. X69532:H.sapiens gene for inter-alpha-trypsin inhibitor h
- 36613\_at Cluster Incl. U09585:Homo sapiens putative interferon-related protein (
- 35 38468\_at Cluster Incl. U65676:Human Hermansky-Pudlak syndrome protein (HPS) mRNA
- 40584\_at Cluster Incl. Y08612:Homo sapiens mRNA for nuclear pore complex protein
- 41359\_at Cluster Incl. Z98265:Homo sapiens mRNA for plakophilin 3 /cds=(74,2467)
- 1524\_at U46194 /FEATURE= /DEFINITION=HSU46194 Human renal cell carcinoma antigen



## METAGENE 275 :

- 31472\_s\_at Cluster Incl. AF098641:Homo sapiens CD44 isoform RC (CD44) mRNA, comp  
 34649\_at Cluster Incl. M14219:Human chondroitin/dermatan sulfate proteoglycan (P  
**5** 2036\_s\_at M59040 /FEATURE= /DEFINITION=HUMCD44B Human cell adhesion  
 molecule (CD  
 1125\_s\_at L05424 /FEATURE=cds#1 /DEFINITION=HUMSCG19 Human cell surface  
 glycopro  
 1126\_s\_at L05424 /FEATURE=cds#5 /DEFINITION=HUMSCG19 Human cell surface  
**10** glycopro

## METAGENE 276 :

- 38863\_at Cluster Incl. L07540:Human replication factor C, 36-kDa subunit mRNA, c  
**15** 32115\_r\_at Cluster Incl. X68486:H.sapiens mRNA for A2a adenosine receptor /cds=(  
 40821\_at Cluster Incl. M61832:Human S-adenosylhomocysteine hydrolase (AHCY) mRNA  
 1410\_at J03258 /FEATURE=mRNA /DEFINITION=HUMVDR Human vitamin D receptor mRNA,  
 c  
 1191\_s\_at AB003102 /FEATURE= /DEFINITION=AB003102 Homo sapiens mRNA for 26S  
**20** prot  
 981\_at X74794 /FEATURE=cds /DEFINITION=HSP1CDC21 H.sapiens P1-Cdc21 mRNA

## METAGENE 277 :

- 25** 34706\_at Cluster Incl. AB011090:Homo sapiens mRNA for KIAA0518 protein, partial  
 35979\_at Cluster Incl. AF081287:Homo sapiens serine phosphatase FCP1a (FCP1) mRN  
 36939\_at Cluster Incl. D49958:Homo sapiens mRNA for membrane glycoprotein M6, co  
 362\_at Z15108 /FEATURE=cds /DEFINITION=HSPKCZ H.sapiens mRNA for protein kinase

**30** METAGENE 278 :

- 31497\_at Cluster Incl. U19142:Human GAGE-1 protein mRNA, complete cds /cds=(48,4  
 31498\_f\_at Cluster Incl. U19147:Human GAGE-6 protein mRNA, complete cds /cds=(81  
 31953\_f\_at Cluster Incl. U19144:Human GAGE-3 protein mRNA, complete cds /cds=(99  
**35** 31954\_f\_at Cluster Incl. AA447559:zw81e11.s1 Homo sapiens cDNA, 3' end /clone=IM  
 31960\_f\_at Cluster Incl. U19143:Human GAGE-2 protein mRNA, complete cds /cds=(83  
 33671\_f\_at Cluster Incl. U19145:Human GAGE-4 protein mRNA, complete cds /cds=(82  
 33680\_f\_at Cluster Incl. AF058988:Homo sapiens melanoma antigen related GAGE-7 m  
 37065\_f\_at Cluster Incl. U19146:Human GAGE-5 protein mRNA, complete cds /cds=(74

## METAGENE 279 :

- 34133\_at Cluster Incl. AL049685:Human gene from PAC 37M17, chromosome X, similar  
**5** 36477\_at Cluster Incl. X90780:Homo sapiens TNNT3 gene /cds=(143,775) /gb=X90780  
 35297\_at Cluster Incl. AC002400:Human Chromosome 16 BAC clone CIT987SK-A-735G6  
 /  
 38480\_s\_at Cluster Incl. U66867:Human ubiquitin conjugating enzyme 9 (hUBC9) mRNA

**10** METAGENE 280 :

- 31723\_at Cluster Incl. X70377:H.sapiens mRNA for cystatin D /cds=(4,432) /gb=X70  
 32045\_at Cluster Incl. AB002331:Human mRNA for KIAA0333 gene, partial cds /cds=(  
 34693\_at Cluster Incl. U14550:Human sialyltransferase SThM (sthM) mRNA, complete  
**15** 35203\_at Cluster Incl. AB002381:Human mRNA for KIAA0383 gene, partial cds /cds=(  
 37891\_at Cluster Incl. U79272:Human clone 23720 mRNA sequence /cds=UNKNOWN  
 /gb=U  
 39725\_at Cluster Incl. L10910:Homo sapiens splicing factor (CC1.3) mRNA, complet  
 40432\_at Cluster Incl. AA522891:ni41b12.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
**20** 41126\_at Cluster Incl. AA978353:oq40b07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32174\_at Cluster Incl. AF015926:Homo sapiens ezrin-radixin-moesin binding phosph  
 33881\_at Cluster Incl. AA977580:on61b02.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35350\_at Cluster Incl. AB011170:Homo sapiens mRNA for KIAA0598 protein, complete  
 38394\_at Cluster Incl. D42047:Human mRNA for KIAA0089 gene, partial cds /cds=(0,

**25**

## METAGENE 281 :

- 34934\_at Cluster Incl. L29376:Homo sapiens (clone 3.8-1) MHC class I mRNA fragme  
 37112\_at Cluster Incl. AB002384:Human mRNA for KIAA0386 gene, complete cds /cds=  
**30** 38522\_s\_at Cluster Incl. X52785:H.sapiens CD22 mRNA /cds=(34,1977) /gb=X52785 /g  
 39582\_at Cluster Incl. AL050166:Homo sapiens mRNA; cDNA DKFZp586D1122 (from  
 clon  
 40688\_at Cluster Incl. AJ223280:Homo sapiens mRNA for 36 kDa phosphotyrosine pr  
 36067\_at Cluster Incl. AB000887:Homo sapiens mRNA for EB11-ligand chemokine, com  
**35** 37579\_at Cluster Incl. L47738:Homo sapiens inducible protein mRNA, complete cds  
 40143\_at Cluster Incl. D50930:Human mRNA for KIAA0140 gene, complete cds /cds=(2  
 35786\_at Cluster Incl. AB007945:Homo sapiens mRNA for KIAA0476 protein, complete

## METAGENE 282 :

- 40111\_g\_at Cluster Incl. U49283:Human NAD<sup>+</sup>-specific isocitrate dehydrogenase bet  
 37329\_at Cluster Incl. AF053070:Homo sapiens NADH-ubiquinone dehydrogenase 51 kD  
 40171\_at Cluster Incl. AF062739:Homo sapiens GSK-3 binding protein FRAT2 (FRAT2)  
 5 41810\_at Cluster Incl. AA203545:zx59a05.r1 Homo sapiens cDNA, 5' end /clone=IMAG  
 1108\_s\_at M18391 /FEATURE= /DEFINITION=HUMTKR Human tyrosine kinase receptor  
 (ep

## METAGENE 283 :

10

- 35937\_at Cluster Incl. U65416:Human MHC class I molecule (MICB) gene, complete c  
 38923\_at Cluster Incl. L76159:Homo sapiens FRG1 mRNA, complete cds /cds=(191,967  
 39670\_at Cluster Incl. AL050034:Homo sapiens mRNA; cDNA DKFZp566G0224 (from  
 clon  
 15 38651\_at Cluster Incl. U60061:Human FEZ2 mRNA, partial cds /cds=(0,461) /gb=U600  
 40818\_at Cluster Incl. D14041:Homo sapiens mRNA for H-2K binding factor-2, compl  
 41167\_at Cluster Incl. M64929:Human protein phosphatase 2A alpha subunit mRNA, c  
 33133\_at Cluster Incl. U80184:Homo sapiens FLII gene, complete cds /cds=(35,3844

20 METAGENE 284 :

- 35960\_at Cluster Incl. AF031416:Homo sapiens Ikb kinase beta subunit mRNA, compl  
 31800\_at Cluster Incl. AL050136:Homo sapiens mRNA; cDNA DKFZp586L141 (from  
 clone  
 25 31801\_at Cluster Incl. AI808712:wf57c05.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 37237\_at Cluster Incl. D38293:Homo sapiens mRNA for clathrin-like protein, compl  
 36102\_at Cluster Incl. AF038962:Homo sapiens voltage dependent anion channel pro  
 36956\_at Cluster Incl. L20852:Human leukemia virus receptor 2 (GLVR2) mRNA, comp  
 1772\_s\_at L00634 /FEATURE= /DEFINITION=HUMFPTA Human farnesyl-protein  
 30 transferas  
 1696\_at D29013 /FEATURE= /DEFINITION=HUMLNCAP Human mRNA for DNA polymerase  
 beta  
 1499\_at L10413 /FEATURE= /DEFINITION=HUMFTA Human farnesyltransferase alpha-subu  
 1137\_at L20852 /FEATURE= /DEFINITION=HUMGLVR2X Human leukemia virus receptor 2 (  
 35 840\_at U47742 /FEATURE= /DEFINITION=HSU47742 Human monocytic leukaemia zinc fing

## METAGENE 285 :

- 41051\_at Cluster Incl. X95073:H.sapiens mRNA for translin associated protein X /

	41619_at	Cluster Incl. AL022398:dJ434O14.4 (Interferon Regulatory Factor 6) /cds
	32738_at	Cluster Incl. AF050640:Homo sapiens NADH-ubiquinone oxidoreductase NDUF
	34292_at	Cluster Incl. X92475:H.sapiens mRNA for ITBA1 protein /cds=(284,1069) /
	34688_at	Cluster Incl. AB029001:Homo sapiens mRNA for KIAA1078 protein, partial
5	36827_at	Cluster Incl. AF020762:Homo sapiens clone 1400 unknown protein mRNA, pa
	37256_at	Cluster Incl. AI829890:wj47a06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	37900_at	Cluster Incl. AF093670:Homo sapiens peroxisomal biogenesis factor (PEX1
	38679_g_at	Cluster Incl. AA733050:zg79b05.s1 Homo sapiens cDNA, 3 end /clone=39
	39012_g_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(12
10	39713_at	Cluster Incl. AJ132440:Homo sapiens mRNA for PLU-1 protein /cds=(89,472
	40471_at	Cluster Incl. Y09048:H.sapiens PxF gene /cds=(10,909) /gb=Y09048 /gi=25
	40779_at	Cluster Incl. U59919:Human Smg GDS-associated protein SMAP.mRNA, comple
	41146_at	Cluster Incl. J03473:Human poly(ADP-ribose) synthetase mRNA, complete c
	41170_at	Cluster Incl. AB014563:Homo sapiens mRNA for KIAA0663 protein, complete
15	33899_at	Cluster Incl. U34252:Human gamma-aminobutyraldehyde dehydrogenase mRNA,
	34352_at	Cluster Incl. AA631698:np79a08.s1 Homo sapiens cDNA /clone=IMAGE-113250
	34385_at	Cluster Incl. U57877:Human integral membrane protein CII-3 mRNA, nuclea
	34387_at	Cluster Incl. D86960:Human mRNA for KIAA0205 gene, complete cds /cds=(2
	35296_at	Cluster Incl. AB019036:Homo sapiens mRNA for geranylgeranyl pyrophospha
20	35318_at	Cluster Incl. AB007944:Homo sapiens mRNA for KIAA0475 protein, complete
	35762_at	Cluster Incl. AB007952:Homo sapiens mRNA for KIAA0483 protein, partial
	36198_at	Cluster Incl. D13641:Human mRNA for KIAA0016 gene, complete cds /cds=(1
	36647_at	Cluster Incl. AA526812:ni92a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	38390_at	Cluster Incl. Z34975:H.sapiens LDLC mRNA /cds=(95,2311) /gb=Z34975 /gi=
25	38441_s_at	Cluster Incl. X59408:H.sapiens, gene for Membrane cofactor protein /c
	39116_at	Cluster Incl. AF070626:Homo sapiens clone 24483 unknown mRNA, parital c
	41335_at	Cluster Incl. AL050084:Homo sapiens mRNA; cDNA DKFZp566O1646 (from clon
	41354_at	Cluster Incl. U25997:Homo sapiens stanniocalcin precursor (STC) mRNA, c
30	41562_at	Cluster Incl. L13689:Human prot-oncogene (BMI-1) mRNA, complete cds /cd
	41834_g_at	Cluster Incl. AB016492:Homo sapiens hJTB gene, complete cds /cds=(464
	32504_at	Cluster Incl. AW024812:wu69c05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	1356_at	U18321 /FEATURE= /DEFINITION=HSU18321 Human ionizing radiation resistanc
	1287_at	J03473 /FEATURE=mRNA /DEFINITION=HUMRISDAD Human poly(ADP-ribose)
35	synthe	
	903_at	L42373 /FEATURE=mRNA /DEFINITION=HUMPP2A Homo sapiens phosphatase 2A
	B56-	

METAGENE 286 :

	40758_at	Cluster Incl. X81788:Homo sapiens ICT1 (alias DS-1) mRNA /cds=(2,622) /
	41480_at	Cluster Incl. AF029669:Homo sapiens Rad51C (RAD51C) mRNA, complete cds
	39073_at	Cluster Incl. AL038662:DKFZp566I0346_r1 Homo sapiens cDNA, 5' end /clone
5	39707_at	Cluster Incl. AB014547:Homo sapiens mRNA for KIAA0647 protein, partial
	40056_at	Cluster Incl. D87989:Human mRNA for UDP-galactose transporter related i
	40427_at	Cluster Incl. AA149486:z127g01.r1 Homo sapiens cDNA, 5' end /clone=IMAG
	32758_g_at	Cluster Incl. U84720:Homo sapiens mRNA export protein (RAE1) mRNA, co
	33415_at	Cluster Incl. X58965:H.sapiens RNA for nm23-H2 gene /cds=(72,530) /gb=X
10	35321_at	Cluster Incl. AB004884:Homo sapiens mRNA for PKU-alpha, partial cds /cd
	35760_at	Cluster Incl. AF087135:Homo sapiens F1FO-type ATPase subunit d mRNA, nu
	36592_at	Cluster Incl. S85655:prohibitin [human, mRNA, 1043 nt] /cds=(50,868) /g
	37766_s_at	Cluster Incl. AF035309:Homo sapiens clone 23598 mRNA, complete cds /c
	38470_i_at	Cluster Incl. D86981:Human mRNA for KIAA0228 gene, partial cds /cds=(
15	39152_f_at	Cluster Incl. U06632:Homo sapiens p80-coilin mRNA, complete cds /cds=
	40533_at	Cluster Incl. AI417038:tg78b04.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	41824_at	Cluster Incl. AI140114:qa95c06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	33107_at	Cluster Incl. AB020705:Homo sapiens mRNA for KIAA0898 protein, partial
	1980_s_at	X58965 /FEATURE= /DEFINITION=HSNM23H2G H.sapiens RNA for nm23-H2
20	gene	
	1985_s_at	X73066 /FEATURE=cds /DEFINITION=HSNM23H1A H.sapiens NM23-H1
	mRNA	
	1614_s_at	X63546 /FEATURE=cds#2 /DEFINITION=HSTRE210 H.sapiens mRNA for tre
	onco	
25	1521_at	X17620 /FEATURE=mRNA /DEFINITION=HSNM23 Human mRNA for Nm23 protein,
	inv	
	508_at	U43923 /FEATURE= /DEFINITION=HSU43923 Human transcription factor SUPT4H m
	METAGENE 287 :	
30		
	32941_at	Cluster Incl. M91196:Homo sapiens DNA-binding protein mRNA, complete cd
	34947_at	Cluster Incl. AA442560:zv75g07.r1 Homo sapiens cDNA, 5' end /clone=IMAG
	38547_at	Cluster Incl. Y00796:Human mRNA for leukocyte-associated molecule-1 alp
	39210_at	Cluster Incl. M58597:Human ELAM-1 ligand fucosyltransferase (ELFT) mRNA
35	32737_at	Cluster Incl. M64595:Human small G protein (Gx) mRNA, 3' end /cds=(0,54
	35974_at	Cluster Incl. U10485:Human lymphoid-restricted membrane protein (Jaw1)
	39428_at	Cluster Incl. AF055581:Homo sapiens adaptor protein Lnk mRNA, complete
	40519_at	Cluster Incl. Y00638:Human mRNA for leukocyte common antigen (T200) /cd
	40520_g_at	Cluster Incl. Y00638:Human mRNA for leukocyte common antigen (T200) /

- 38438\_at Cluster Incl. M58603:Human nuclear factor kappa-B DNA binding subunit (
- 32593\_at Cluster Incl. D42043:Human mRNA for KIAA0084 gene, partial cds /cds=(0,
- 2024\_s\_at M79321 /FEATURE= /DEFINITION=HUMLYNTK Human Lyn B protein mRNA, comple
- 5** 1984\_s\_at X69549 /FEATURE=cds /DEFINITION=HSRHO2 H.sapiens mRNA for rho GDP-diss
- 1456\_s\_at M63838 /FEATURE= /DEFINITION=HUMIFI16A Human interferon-gamma induced
- 1146\_at Cd4 Antigen
- 10** 432\_s\_at X02883 /FEATURE=cds /DEFINITION=HSTCRAC Human gene for T-cell receptor

## METAGENE 288 :

- 15** 32318\_s\_at Cluster Incl. X63432:H.sapiens ACTB mRNA for mutant beta-actin (beta-
- 37448\_s\_at Cluster Incl. X56009:Human GSA mRNA for alpha subunit of GsGTP bindin
- 37449\_i\_at Cluster Incl. X04409:Human mRNA for coupling protein G(s) alpha-subun
- 37450\_r\_at Cluster Incl. X04409:Human mRNA for coupling protein G(s) alpha-subun
- 35360\_at Cluster Incl. Y17711:Homo sapiens mRNA for atopy related autoantigen CA
- 20** 35733\_at Cluster Incl. AF006082:Homo sapiens actin-related protein Arp2 (ARP2) m
- 131\_at X83928 /FEATURE=cds /DEFINITION=HSTAFII28 H.sapiens mRNA for transcriptio

## METAGENE 289 :

- 25** 35090\_g\_at Cluster Incl. AB005060:Homo sapiens mRNA for NTAK, complete cds /cds=
- 39272\_g\_at Cluster Incl. AA461365:zx70e07.r1 Homo sapiens cDNA, 5 end /clone=IM
- 39550\_at Cluster Incl. AB011156:Homo sapiens mRNA for KIAA0584 protein, partial

## METAGENE 290 :

- 30**
- 32340\_s\_at Cluster Incl. M85234:Human nuclease sensitive element binding protein
- 32901\_s\_at Cluster Incl. AC005192:Homo sapiens BAC clone RG163K11 from 7q31 /cds
- 36284\_at Cluster Incl. Y12642:H.sapiens E48 gene /cds=(24,410) /gb=Y12642 /gi=27
- 39660\_at Cluster Incl. AI309115:qo71a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35** 40036\_at Cluster Incl. AF035940:Homo sapiens MAGOH mRNA, complete cds /cds=(65,5
- 41401\_at Cluster Incl. U57646:Homo sapiens cysteine and glycine-rich protein 2 (
- 41852\_at Cluster Incl. U22377:Human Zn-15 related zinc finger protein (rlf) mRNA
- 33255\_at Cluster Incl. M97856:Homo sapiens histone-binding protein mRNA, complet
- 36496\_at Cluster Incl. AF014398:Homo sapiens myo-inositol monophosphatase 2 mRNA

	36832_at	Cluster Incl. AB015630:Homo sapiens mRNA for type II membrane protein,
	38352_at	Cluster Incl. AF016371:Homo sapiens U-snRNP-associated cyclophilin (USA
	40454_at	Cluster Incl. X87241:H.sapiens mRNA for hFat protein /cds=(186,13958) /
	40506_s_at	Cluster Incl. U75686:Homo sapiens polyadenylate binding protein mRNA,
<b>5</b>	41762_at	Cluster Incl. D64015:Homo sapiens mRNA for T-cluster binding protein, c
	33912_at	Cluster Incl. Y13834:Homo sapiens mRNA for farnesylated-proteins conver
	34333_at	Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso
	36104_at	Cluster Incl. AA526497:ni96d07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	36135_at	Cluster Incl. U86602:Human nucleolar protein p40 mRNA, complete cds /cd
<b>10</b>	36204_at	Cluster Incl. Y00815:Human mRNA for LCA-homolog. LAR protein (leukocyte
	36671_at	Cluster Incl. M27396:Human asparagine synthetase mRNA, complete cds /cd
	37679_at	Cluster Incl. Y10313:Homo sapiens mRNA IFRD1 (PC4) interferon-related d
	37749_at	Cluster Incl. D78611:Human MEST mRNA, complete cds /cds=(223,1230) /gb=
	40271_at	Cluster Incl. D42085:Human mRNA for KIAA0095 gene, complete cds /cds=(6
<b>15</b>	2035_s_at	M55914 /FEATURE= /DEFINITION=HUMCMYCQ Human c-myc binding protein (MBP
	980_at	AF002020 /FEATURE= /DEFINITION=AF002020 Homo sapiens Niemann-Pick C disea
	738_at	D38524 /FEATURE= /DEFINITION=HUM5N Human mRNA for 5 -nucleotidase
<b>20</b>	METAGENE 291 :	
	31431_at	Cluster Incl. U12255:Human IgG Fc receptor hFcRn mRNA, complete cds /cd
	31492_at	Cluster Incl. AB019392:Homo sapiens mRNA of muscle specific gene M9, co
	36749_at	Cluster Incl. M73720:Human mast cell carboxypeptidase A (MC-CPA) gene /
<b>25</b>	41102_at	Cluster Incl. U66359:Human T54 protein (T54) mRNA, complete cds /cds=(6
	41662_at	Cluster Incl. AL050272:Homo sapiens mRNA; cDNA DKFZp566B183 (from clone
	36461_at	Cluster Incl. U41804:Human putative T1/ST2 receptor binding protein pre
	36492_at	Cluster Incl. AI347155:tc04c11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
<b>30</b>	36530_g_at	Cluster Incl. AI885381:wl93b01.x1 Homo sapiens cDNA, 3 end /clone=IM
	36531_r_at	Cluster Incl. AC005757:Homo sapiens chromosome 19, cosmid R32611 /cds
	38719_at	Cluster Incl. U03985:Human N-ethylmaleimide-sensitive factor mRNA, part
	39075_at	Cluster Incl. AF040958:Homo sapiens lysosomal neuraminidase precursor,
	40078_at	Cluster Incl. AF015287:Homo sapiens serine protease mRNA, complete cds
<b>35</b>	40410_at	Cluster Incl. W26651:34c5 Homo sapiens cDNA /gb=W26651 /gi=1307494 /ug=
	40514_at	Cluster Incl. AF091085:Homo sapiens clone 638 unknown mRNA, complete se
	32799_at	Cluster Incl. AF023268:Homo sapiens clk2 kinase (CLK2), propin1, cote1,
	33347_at	Cluster Incl. AA883868:am26e11.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	35351_at	Cluster Incl. U89505:Human Hlark mRNA, complete cds /cds=(55,1155) /gb=

- 36194\_at Cluster Incl. M63959:Human alpha-2-macroglobulin receptor-associated pr  
 36989\_at Cluster Incl. L19711:Human dystroglycan (DAG1) mRNA, complete cds /cds=  
 37315\_f\_at Cluster Incl. AI057607:oy31e07.x1 Homo sapiens cDNA, 3 end /clone=IM  
 37361\_at Cluster Incl. AF010187:Homo sapiens FGF-1 intracellular binding protein  
 5 37704\_at Cluster Incl. Z14093:H.sapiens mRNA for branched chain decarboxylase al  
 38054\_at Cluster Incl. AF029890:Homo sapiens hepatitis B virus X interacting pro  
 38439\_at Cluster Incl. L24123:Homo sapiens NRF1 protein (NRF1) mRNA  
 /cds=UNKNOWN  
 38451\_at Cluster Incl. T58471:yb61c11.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 10 32528\_at Cluster Incl. Z50853:H.sapiens mRNA for CLPP /cds=(19,852) /gb=Z50853 /  
 32574\_at Cluster Incl. X59960:H.sapiens mRNA for sphingomyelinase /cds=(122,2005  
 1444\_at AB003177 /FEATURE= /DEFINITION=AB003177 Homo sapiens mRNA for proteasome  
 1257\_s\_at L42379 /FEATURE=mRNA /DEFINITION=HUMBPGF Homo sapiens bone-  
 derived gro  
 15 1142\_at Fibroblast Growth Factor Receptor K-Sam, Alt. Splice 1  
 338\_at AF005887 /FEATURE= /DEFINITION=AF005887 Homo sapiens ATF family member AT  
 180\_at S82470 /FEATURE= /DEFINITION=S82470 BB1=malignant cell expression-enhance  
 115\_at X14787 /FEATURE=cds /DEFINITION=HSTS Human mRNA for thrombospondin  
 20 METAGENE 292 :  
 36305\_at Cluster Incl. M95167:Homo sapiens dopamine transporter (SLC6A3) mRNA, c  
 37447\_at Cluster Incl. AF015257:Homo sapiens flow-induced endothelial G protein-  
 37510\_at Cluster Incl. AF036715:Homo sapiens syntaxin 8 mRNA, complete cds /cds=  
 25 36865\_at Cluster Incl. AB018302:Homo sapiens mRNA for KIAA0759 protein, partial  
 37599\_at Cluster Incl. AF017060:untitled /cds=(298,4314) /gb=AF017060 /gi=234315  
 33444\_at Cluster Incl. D30756:Human mRNA for KIAA0049 gene, complete cds /cds=(1  
 38741\_at Cluster Incl. U70728:Human cytohesin-2 mRNA, complete cds /cds=(158,136  
 1246\_at U35234 /FEATURE= /DEFINITION=HSU35234 Human protein tyrosine phosphatase  
 30 METAGENE 293 :  
 33633\_at Cluster Incl. AF030335:Homo sapiens purinergic P2Y11 receptor (P2Y11) m  
 38594\_i\_at Cluster Incl. AB006622:Homo sapiens mRNA for KIAA0284 gene, partial c  
 35 39258\_at Cluster Incl. AI627877:ty20b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32622\_at Cluster Incl. L36983:Homo sapiens dynamin (DNM) mRNA, complete cds /cds  
 38259\_at Cluster Incl. AB002559:Homo sapiens mRNA for hunc18b2, complete cds /cd  
 35749\_at Cluster Incl. AF069733:Homo sapiens ADA3-like protein mRNA, complete cd  
 36644\_at Cluster Incl. D29963:Homo sapiens mRNA for CD151, complete cds /cds=(84



- 41281\_s\_at Cluster Incl. AF060502:Homo sapiens peroxisome assembly protein PEX10  
 41282\_s\_at Cluster Incl. AA194159:zr37h01.r1 Homo sapiens cDNA, 5' end /clone=IM  
 41526\_at Cluster Incl. AF072836:Homo sapiens Sox-like transcriptional factor mRNA  
 2084\_s\_at D12765 /FEATURE= /DEFINITION=HUME1AF Human mRNA for E1A-F
- 5** 1700\_at U82987 /FEATURE= /DEFINITION=HSU82987 Human Bcl-2 binding component 3 (b  
 1397\_at L32976 /FEATURE= /DEFINITION=HUMMLK3A Human protein kinase (MLK-3)  
 mRNA,  
 1374\_g\_at M31523 /FEATURE= /DEFINITION=HUMTFAA Human transcription factor  
 (E2A)
- 10** 1271\_g\_at L19067 /FEATURE= /DEFINITION=HUMNFKB65A Human NF-kappa-B  
 transcription  
 993\_at X54637 /FEATURE=cds /DEFINITION=HSTYK2 Human tyk2 mRNA for non-receptor p  
 505\_at U43077 /FEATURE= /DEFINITION=HSU43077 Human CDC37 homolog mRNA,  
 complete
- 15** METAGENE 294 :
- 35925\_at Cluster Incl. AF040639:Homo sapiens aflatoxin B1-aldehyde reductase mRNA  
 36778\_at Cluster Incl. Z48804:H.sapiens mRNA (ocular albinism type 1 related) /c
- 20** 37780\_at Cluster Incl. AB011131:Homo sapiens mRNA for KIAA0559 protein, partial  
 41111\_at Cluster Incl. U68418:Human branched chain aminotransferase precursor (B  
 37897\_s\_at Cluster Incl. AI985964:wr79d08.x1 Homo sapiens cDNA, 3' end /clone=IM  
 38292\_at Cluster Incl. AF093264:Homo sapiens homer-2b mRNA, complete cds /cds=(0  
 39369\_at Cluster Incl. AB023152:Homo sapiens mRNA for KIAA0935 protein, partial
- 25** 38418\_at Cluster Incl. X59798:Human PRAD1 mRNA for cyclin /cds=(147,1034) /gb=X5  
 39087\_at Cluster Incl. U28249:Human 11kd protein mRNA, complete cds /cds=(259,59  
 2017\_s\_at M64349 /FEATURE= /DEFINITION=HUMCYCD1 Human cyclin D (cyclin D1)  
 mRNA,  
 2020\_at M73554 /FEATURE= /DEFINITION=HUMBCL1 Human bcl-1 mRNA, complete CDS
- 30** METAGENE 295 :
- 542\_at S74445 /FEATURE= /DEFINITION=S74445 cellular retinoic acid-binding protei  
 543\_g\_at S74445 /FEATURE= /DEFINITION=S74445 cellular retinoic acid-binding prot
- 35** METAGENE 296 :
- 34591\_at Cluster Incl. S79854:type 3 iodothyronine deiodinase=selenoenzyme [huma  
 34602\_at Cluster Incl. D63160:Homo sapiens DNA for lectin P35 /cds=(10,951) /gb=

- 34050\_at Cluster Incl. AC003034:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-  
 36330\_at Cluster Incl. Y17448:Homo sapiens CCBL1 gene, last two exons /cds=(0,14  
 37785\_at Cluster Incl. U69563:U69563 Homo sapiens cDNA /clone=25050 /gb=U69563 /  
 39655\_at Cluster Incl. M26901:Human renin gene /cds=(90,1301) /gb=M26901 /gi=488  
 5 40733\_f\_at Cluster Incl. D89377:Homo sapiens mRNA for MSX-2, complete cds /cds=(  
 41399\_at Cluster Incl. AB029034:Homo sapiens mRNA for KIAA1111 protein, partial  
 32122\_at Cluster Incl. L31573:Human sulfite oxidase mRNA, complete cds /cds=(903  
 1290\_g\_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-  
 transferase  
 10 820\_at U77604 /FEATURE= /DEFINITION=HSU77604 Homo sapiens microsomal glutathione

## METAGENE 297 :

- 33689\_s\_at Cluster Incl. AF012434:untitled /cds=(38,394) /gb=AF012434 /gi=235291  
 15 40042\_r\_at Cluster Incl. U82381:Human proline dehydrogenase/proline oxidase (PRO  
 40745\_at Cluster Incl. L13939:Homo sapiens beta adaptin (BAM22) mRNA, complete c  
 41107\_at Cluster Incl. AB002372:Human mRNA for KIAA0374 gene, complete cds /cds=  
 41380\_at Cluster Incl. AF053003:Homo sapiens diphthamide biosynthesis protein-2  
 41606\_at Cluster Incl. AJ005940:Homo sapiens mRNA for GTP-binding protein /cds=(  
 20 41869\_at Cluster Incl. U78310:Homo sapiens pescadillo mRNA, complete cds /cds=(5  
 31874\_at Cluster Incl. Y07846:H.sapiens mRNA for GAR22 protein /cds=(132,1145) /  
 34679\_at Cluster Incl. X02596:Human mRNA for bcr (breakpoint cluster region) gen  
 36027\_at Cluster Incl. AA418779:zv98d05.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 36058\_at Cluster Incl. AL096741:Homo sapiens mRNA; cDNA DKFZp586O0223 (from  
 25 clon  
 36475\_at Cluster Incl. Z97630:Human DNA sequence from clone 466N1 on chromosome  
 38617\_at Cluster Incl. D45906:Homo sapiens mRNA for LIMK-2, complete cds /cds=(1  
 38713\_at Cluster Incl. Z99716:bK250D10.1 (sterol regulatory element binding tran  
 41758\_at Cluster Incl. AL096879:Novel human mRNA similar to C. elegans gene WP-C  
 30 32151\_at Cluster Incl. X82260:H.sapiens mRNA for RanGTPase activating protein 1  
 32745\_at Cluster Incl. AF034091:Homo sapiens nuclear localization signal contain  
 32852\_at Cluster Incl. U78678:Human thioredoxin mRNA, nuclear gene encoding mito  
 33366\_at Cluster Incl. AL022238:dJ1042K10.2.1 (novel protein with probable rabGA  
 39134\_at Cluster Incl. AJ006973:Homo sapiens mRNA for TOM1 protein /cds=(61,1539  
 35 895\_at L19686 /FEATURE=mRNA /DEFINITION=HUMMIF Homo sapiens macrophage  
 migration  
 864\_at U07664 /FEATURE=expanded\_cds /DEFINITION=HSHB9HB2 Human HB9 homeobox  
 gene  
 374\_f\_atZ84718 /FEATURE=cds#5 /DEFINITION=HS322B1 Human DNA sequence from clone

## METAGENE 298 :

- 5      32993\_s\_at      Cluster Incl. U70824:Human BLu protein (BLu) mRNA, complete cds /cds=  
      32965\_f\_at      Cluster Incl. W28645:52e8 Homo sapiens cDNA /gb=W28645 /gi=1308800 /u  
      40060\_r\_at      Cluster Incl. AF061258:Homo sapiens LIM protein mRNA, complete cds /c  
      34893\_at      Cluster Incl. AI557064:PT2.1\_13\_A12.r Homo sapiens cDNA, 3 end /clone\_

## METAGENE 299 :

10

- 31822\_at      Cluster Incl. L12579:Human alternatively spliced CUTL1 mRNA, complete c  
      39058\_at      Cluster Incl. U01147:Human guanine nucleotide regulatory protein (ABR)  
      36606\_at      Cluster Incl. X51405:Human mRNA for carboxypeptidase E (EC 3.4.17.10) /  
      37003\_at      Cluster Incl. X62654:H.sapiens gene for Me491/CD63 antigen /cds=(69,785

15

## METAGENE 300 :

- 39624\_at      Cluster Incl. D89078:Homo sapiens mRNA for leukotriene b4 receptor, com  
      40365\_at      Cluster Incl. M63904:Human G-alpha 16 protein mRNA, complete cds /cds=(  
     20      32670\_at      Cluster Incl. L38969:Homo sapiens thrombospondin 3 (THBS3) gene, comple  
      33750\_at      Cluster Incl. X97198:H.sapiens mRNA for receptor phosphate PCP-2 /cds=(  
      34218\_at      Cluster Incl. U57099:Human APEG-1 mRNA, complete cds /cds=(125,466) /gb  
      35668\_at      Cluster Incl. AJ001014:Homo sapiens mRNA encoding RAMP1 /cds=(32,478) /  
      39022\_at      Cluster Incl. AL050110:Homo sapiens mRNA; cDNA DKFZp586J0619 (from clon  
     25      40147\_at      Cluster Incl. U18009:Human chromosome 17q21 mRNA clone LF113 /cds=(0,93  
      32158\_at      Cluster Incl. U53174:Human cell cycle checkpoint control protein mRNA,  
      34412\_s\_at      Cluster Incl. U59632:Homo sapiens H5 mRNA, partial cds; and platelet  
      1497\_at L04270 /FEATURE= /DEFINITION=HUMTNFRRP Homo sapiens (clone CD18) tumor n

## 30 METAGENE 301 :

- 31680\_at      Cluster Incl. M55630:Human topoisomerase I pseudogene 2 /cds=UNKNOWN /g  
      33484\_at      Cluster Incl. Y10571:H.sapiens mRNA for dinG gene /cds=(12,1022) /gb=Y1  
      37106\_at      Cluster Incl. D89928:Homo sapiens HKL1 mRNA, complete cds /cds=(152,196  
     35      33264\_at      Cluster Incl. X89602:H.sapiens mRNA for rTS beta protein /cds=(17,1267)  
      33797\_at      Cluster Incl. X98494:H.sapiens mRNA for M phase phosphoprotein 10 /cds=  
      34199\_at      Cluster Incl. AJ131244:Homo sapiens mRNA for Sec24 protein (Sec24A isof  
      34215\_at      Cluster Incl. L03426:Human XE7 mRNA, complete alternate coding regions  
      35240\_at      Cluster Incl. W28983:54f11 Homo sapiens cDNA /gb=W28983 /gi=1308931 /ug

- 35662\_at Cluster Incl. U20536:Human cysteine protease Mch2 isoform alpha (Mch2)  
 36080\_at Cluster Incl. AB002332:Human mRNA for KIAA0334 gene, complete cds /cds=  
 36514\_at Cluster Incl. U66469:Human cell growth regulator CGR19 mRNA, complete c  
 36928\_at Cluster Incl. X70394:H.sapiens OZF mRNA /cds=(856,1734) /gb=X70394 /gi=  
 5 38365\_at Cluster Incl. AF026086:Homo sapiens peroxisome biogenesis disorder prot  
 39415\_at Cluster Incl. X72727:H.sapiens tunc mRNA for transformation upregulated  
 39436\_at Cluster Incl. AF079221:Homo sapiens BCL2/adenovirus E1B 19kDa-interacti  
 40780\_at Cluster Incl. AF016507:Homo sapiens C-terminal binding protein 2 mRNA,  
 41185\_f\_at Cluster Incl. AI971724:wr07a04.x1 Homo sapiens cDNA, 3 end /clone=IM  
 10 41741\_at Cluster Incl. U28686:Human putative RNA binding protein RNPL mRNA, comp  
 33836\_at Cluster Incl. AC002045:Human Chromosome 16 BAC clone CIT987SK-A-589H1  
 /  
 33893\_r\_at Cluster Incl. AB007939:Homo sapiens mRNA for KIAA0470 protein, comple  
 33907\_at Cluster Incl. AF012072:Homo sapiens eIF4GII mRNA, complete cds /cds=(25  
 15 34337\_s\_at Cluster Incl. AJ010014:Homo sapiens mRNA for M96A protein /cds=(243,2  
 34817\_s\_at Cluster Incl. U70671:Human ataxin-2 related protein mRNA, partial cds  
 35306\_at Cluster Incl. AB001636:Homo sapiens mRNA for ATP-dependent RNA helicase  
 36957\_at Cluster Incl. W22296:65A11 Homo sapiens cDNA /clone=(not-directional) /  
 37650\_at Cluster Incl. U41315:Human ring zinc-finger protein (ZNF127-Xp) gene an  
 20 40218\_at Cluster Incl. U60808:Human CDP-diacylglycerol synthase (CDS) mRNA, comp  
 41597\_s\_at Cluster Incl. AF047442:Homo sapiens vesicle trafficking protein sec22  
 41821\_at Cluster Incl. AA203246:zx54h03.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 1030\_s\_at U07806 /FEATURE= /DEFINITION=HSU07806 Human camptothecin resistant  
 clo  
 25 1017\_at U73737 /FEATURE=mRNA /DEFINITION=HUMMSH06 Human hMSH6 gene, exons 6-  
 10 a

## METAGENE 302 :

- 30 33583\_r\_at Cluster Incl. AA523313:ni41h09.s1 Homo sapiens cDNA, 3 end /clone=IM  
 36368\_at Cluster Incl. AF054998:Homo sapiens clone 24479 mRNA sequence /cds=UNKN  
 34415\_at Cluster Incl. Z22536:Homo sapiens ALK-4 mRNA, complete CDS /cds=(0,1517  
 40674\_s\_at Cluster Incl. S82986:HOXC6=homeodomain-containing protein {clone 211}  
 41074\_at Cluster Incl. AF062006:Homo sapiens orphan G protein-coupled receptor H  
 35 32681\_at Cluster Incl. S68616:Na<sup>+</sup>/H<sup>+</sup> exchanger NHE-1 isoform [human, heart, mRNA  
 34182\_at Cluster Incl. U18932:Human heparan sulfate-N-deacetylase/N-sulfotransfe  
 34273\_at Cluster Incl. AI267373:aq64c09.x1 Homo sapiens cDNA /clone=IMAGE-203569  
 33398\_at Cluster Incl. AB014570:Homo sapiens mRNA for KIAA0670 protein, partial  
 35745\_f\_at Cluster Incl. X78136:H.sapiens hnRNP-E2 mRNA /cds=(22,1119) /gb=X7813

39128\_r\_at Cluster Incl. X73478:H.sapiens hPTPA mRNA /cds=(189,1160) /gb=X73478

#### METAGENE 303 :

- 5** 37131\_at Cluster Incl. AB008390:Homo sapiens mRNA for neuropsin type1, complete  
 38143\_at Cluster Incl. L33404:Human stratum corneum chymotryptic enzyme mRNA, co  
 33410\_at Cluster Incl. S66213:integrin alpha 6B [human, mRNA Partial, 528 nt] /c

#### METAGENE 304 :

**10**

- 33746\_at Cluster Incl. D88208:Homo sapiens hSGT1 mRNA for hSgt1p, complete cds /  
 38697\_at Cluster Incl. AL050274:Homo sapiens mRNA; cDNA DKFZp566C243 (from  
 clone  
 39004\_at Cluster Incl. AI432190:tg77f11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
**15** 39357\_at Cluster Incl. U72514:Human C2f mRNA, complete cds /cds=(0,720) /gb=U725  
 32842\_at Cluster Incl. X89984:H.sapiens mRNA for BCL7A protein /cds=(953,1648) /  
 35305\_at Cluster Incl. X95762:H.sapiens mRNA for aminopeptidase P-like /cds=(0,1  
 35349\_at Cluster Incl. AF031647:Homo sapiens JAB1-containing signalosome subunit  
 36954\_at Cluster Incl. D86972:Human mRNA for KIAA0218 gene, complete cds /cds=(3  
**20** 41790\_at Cluster Incl. AL031230:dJ73M23.2 (NAD<sup>+</sup>-dependent succinic semialdehyde

#### METAGENE 305 :

- 31636\_s\_at Cluster Incl. U09210:Human vesicular acetylcholine transporter mRNA,  
**25** 37088\_at Cluster Incl. AF059681:Homo sapiens serine/threonine kinase 13 (STK13)  
 33727\_r\_at Cluster Incl. AB029011:Homo sapiens mRNA for KIAA1088 protein, partia  
 39705\_at Cluster Incl. AB014600:Homo sapiens mRNA for KIAA0700 protein, partial  
 32189\_g\_at Cluster Incl. M96980:Homo sapiens myelin transcription factor 1 (MTF1  
 41293\_at Cluster Incl. AI123710:oo16h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
**30** 41497\_at Cluster Incl. AI401296:tg92c03.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 2046\_at M21536 /FEATURE= /DEFINITION=HUMERG12 Human erg protein (ets-related gen

#### METAGENE 306 :

- 35** 33770\_at Cluster Incl. AF009225:Homo sapiens Ikb kinase alpha subunit (IKK alpha  
 38262\_at Cluster Incl. AF052107:Homo sapiens clone 23620 mRNA sequence /cds=UNKN  
 39388\_at Cluster Incl. AA902713:ok71f11.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 650\_s\_at L07044 /FEATURE= /DEFINITION=HUMCCDPKB Homo sapiens  
 calcium/calmodulin-

## METAGENE 307 :

	31410_at	Cluster Incl. AF023614:Homo sapiens transmembrane activator and CAML in
5	31559_at	Cluster Incl. U26209:Human renal sodium/dicarboxylate cotransporter (NA
	31594_at	Cluster Incl. Y16788:Homo sapiens hHa3-I gene, complete CDS /cds=(0,121
	31947_r_at	Cluster Incl. X74143:H.sapiens HBF-2 mRNA for transcription factor /c
	32000_g_at	Cluster Incl. AI344681:qp09h03.x1 Homo sapiens cDNA, 3 end /clone=IM
	33016_at	Cluster Incl. AI052224:oz21a02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	34066_at	Cluster Incl. AJ012590:Homo sapiens mRNA for glucose 1-dehydrogenase /c
	34093_at	Cluster Incl. AI829701:wf09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34161_at	Cluster Incl. U39573:Human salivary peroxidase mRNA, complete cds /cds=
	34166_at	Cluster Incl. S80071:hPROT=brain-specific L-proline transporter [human,
	34558_at	Cluster Incl. U30185:Human orphan opioid receptor mRNA, complete cds /c
15	34568_at	Cluster Incl. X82634:Homo sapiens mRNA for hair keratin acidic 3-II /cd
	34573_at	Cluster Incl. U14187:Human receptor tyrosine kinase ligand LERK-3 (EPLG
	35124_at	Cluster Incl. M62982:Human arachidonate 12-lipoxygenase mRNA, complete
	35503_at	Cluster Incl. M81590:Homo sapiens serotonin 1D receptor (5-HT1D~) mRNA,
	35505_at	Cluster Incl. AI290660:qm12b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
20	35590_s_at	Cluster Incl. X81832:H.sapiens mRNA for glucose-dependant insulinotro
	36338_at	Cluster Incl. W28504:48e7 Homo sapiens cDNA /gb=W28504 /gi=1308515 /ug=
	32269_at	Cluster Incl. W26805:13a12 Homo sapiens cDNA /gb=W26805 /gi=1305889 /ug
	32897_at	Cluster Incl. AJ237672:Homo sapiens mRNA for methylenetetrahydrofolate
	33967_at	Cluster Incl. M31525:Human MHC class II lymphocyte antigen (HLA-DNA) ge
25	35378_at	Cluster Incl. AI051683:oy77h08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36307_at	Cluster Incl. D87468:Human mRNA for KIAA0278 gene, partial cds /cds=(0,
	36737_at	Cluster Incl. U59057:Human beta-A4 crystallin (CRYBA4) mRNA, complete c
	38229_at	Cluster Incl. X90579:H.sapiens DNA for cyp related pseudogene /cds=UNKN
	38530_at	Cluster Incl. W26021:18c10 Homo sapiens cDNA /gb=W26021 /gi=1306306 /ug
30	38901_at	Cluster Incl. AB020698:Homo sapiens mRNA for KIAA0891 protein, partial
	39225_at	Cluster Incl. Y09443:H.sapiens mRNA for alkyl-dihydroxyacetonephosphate
	39290_f_at	Cluster Incl. W28257:44c1 Homo sapiens cDNA /gb=W28257 /gi=1308205 /u
	40295_at	Cluster Incl. AB009288:Homo sapiens mRNA for N-copine, complete cds /cd
	41445_at	Cluster Incl. X02812:Human mRNA for transforming growth factor-beta (TG
35	31861_at	Cluster Incl. L14754:Human DNA-binding protein (SMBP2) mRNA, complete c
	32699_s_at	Cluster Incl. X64116:H.sapiens PVR gene for poliovirus receptor (exon
	35150_at	Cluster Incl. X60592:Human CDw40 mRNA for nerve growth factor receptor-
	35996_at	Cluster Incl. X98261:H.sapiens mRNA for M-phase phosphoprotein, mpp5 /c
	37195_at	Cluster Incl. M14565:Human cholesterol side-chain cleavage enzyme P450s

	37939_at	Cluster Incl. AL022318:bK150C2.3 (PUTATIVE novel protein similar to APO
	38707_r_at	Cluster Incl. S75174:E2F-4=transcription factor [human, Nalm6 and HeL
	39011_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(125,
	39689_at	Cluster Incl. AI362017:qy39a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
5	41125_r_at	Cluster Incl. D45421:Human mRNA for phosphodiesterase I alpha, comple
	33416_at	Cluster Incl. AI332820:qp96e06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34803_at	Cluster Incl. AF022789:Homo sapiens ubiquitin hydrolyzing enzyme I (UBH
	35782_at	Cluster Incl. AB014557:Homo sapiens mRNA for KIAA0657 protein, partial
	38088_r_at	Cluster Incl. M80563:Human CAPL protein mRNA, complete cds /cds=(135,
10	38447_at	Cluster Incl. U08438:Human beta-adrenergic receptor kinase (ADRBK1) gen
	39473_r_at	Cluster Incl. W29065:56g2 Homo sapiens cDNA /gb=W29065 /gi=1309094 /u
	39868_at	Cluster Incl. AL046394:DKFZp434M217_r1 Homo sapiens cDNA, 5 end /clone
	39917_at	Cluster Incl. AI961040:wq58f01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40241_at	Cluster Incl. U09850:Human zinc finger protein (ZNF143) mRNA, complete
15	40622_r_at	Cluster Incl. AL096740:Homo sapiens mRNA; cDNA DKFZp586K2123 (from cl
	40886_at	Cluster Incl. L41498:Homo sapiens longation factor 1-alpha 1 (PTI-1) mR
	40975_s_at	Cluster Incl. AL050258:Novel human mRNA similar to mouse tuftelin-int
	41301_at	Cluster Incl. W28608:49b1 Homo sapiens cDNA /gb=W28608 /gi=1308556 /ug=
	41324_g_at	Cluster Incl. U90917:Human clone 23641 mRNA sequence /cds=UNKNOWN /gb
20	41340_at	Cluster Incl. AA827795:od08a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	41500_at	Cluster Incl. AI761818:wi62g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41525_at	Cluster Incl. N25429:yx76b02.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	32557_at	Cluster Incl. AI762438:wg57a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	33110_at	Cluster Incl. AI356682:qy22a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
25	33151_s_at	Cluster Incl. W25932:15b1 Homo sapiens cDNA /gb=W25932 /gi=1306055 /u
	33211_at	Cluster Incl. AW051889:wz04f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	2005_s_at	U31317 /FEATURE= /DEFINITION=HSU31317 Human JAK family tyrosine protei
	2013_at	U35117 /FEATURE= /DEFINITION=HSU35117 Human transcription factor Dp-2 mR
30	1925_at	Z36714 /FEATURE=mRNA /DEFINITION=HSCYCLF H.sapiens mRNA for cyclin F
	1894_f_at	Neurofibromatosis 2 Tumor Suppressor
	1827_s_at	M13929 /FEATURE=mRNA /DEFINITION=HUMMYCPOA Human c-myc-P64 mRNA, initi
	1792_g_at	M68520 /FEATURE= /DEFINITION=HUMCDC2A Human cdc2-related protein
35	kinas	
	1627_at	Tyrosine Kinase
	1483_at	L34059 /FEATURE= /DEFINITION=HUMCA4A Homo sapiens cadherin-4 mRNA, compl
	1469_at	U12779 /FEATURE= /DEFINITION=HSU12779 Human MAP kinase activated protein
	1415_at	D26561 /FEATURE=cds#3 /DEFINITION=D26561 Homo sapiens cellular DNA conta

- 1254\_at L36861 /FEATURE=expanded\_cds /DEFINITION=HUMGCAPB Homo sapiens guanylate  
 1167\_s\_at D86331 /FEATURE= /DEFINITION=D86331 Human MT2-MMP gene for matrix  
 meta  
 1008\_f\_at U50648 /FEATURE=mRNA /DEFINITION=HSIIPKR17 Human interferon-  
**5** inducible  
 882\_at M37435 /FEATURE= /DEFINITION=HUMCSDF1 Human macrophage-specific colony-st  
 734\_at Mucin 4, Tracheobronchial  
 534\_s\_at U20391 /FEATURE=mRNA#1 /DEFINITION=HSU20391 Human folate receptor  
 (FOLR  
**10** 385\_at X71874 /FEATURE=cds#2 /DEFINITION=HSPROSCHY H.sapiens genes for proteasom  
 396\_f\_atX97671 /FEATURE=cds /DEFINITION=HSERYTHR H.sapiens mRNA for erythropeie  
 METAGENE 308 :  
**15** 35112\_at Cluster Incl. AF071476:Homo sapiens regulator of G-protein signaling 9L  
 35627\_at Cluster Incl. U40571:Human alpha1-syntrophin (SNT A1) mRNA, complete cd  
 1788\_s\_at U48807 /FEATURE= /DEFINITION=HSU48807 Human MAP kinase  
 phosphatase (MK  
**20** METAGENE 309 :  
 32091\_at Cluster Incl. AB007915:Homo sapiens mRNA for KIAA0446 protein, complete  
 32144\_at Cluster Incl. AL050135:Homo sapiens mRNA; cDNA DKFZp586K091 (from  
 clone  
**25** 33234\_at Cluster Incl. AA887480:oj54a12.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 34189\_at Cluster Incl. D31891:Human mRNA for KIAA0067 gene, complete cds /cds=(8  
 34264\_at Cluster Incl. AB026894:Homo sapiens mRNA for NESCA, complete cds /cds=(  
 34746\_at Cluster Incl. W28085:41g9 Homo sapiens cDNA /gb=W28085 /gi=1308033 /ug=  
 35159\_at Cluster Incl. U61232:Human tubulin-folding cofactor E mRNA, complete cd  
**30** 35244\_at Cluster Incl. AB007929:Homo sapiens mRNA for KIAA0460 protein, partial  
 35677\_at Cluster Incl. AL035369:H.sapiens novel gene from PAC 117P20, chromosome  
 36561\_at Cluster Incl. X73424:Homo sapiens gene for propionyl-CoA carboxylase a  
 39053\_at Cluster Incl. AF016370:Homo sapiens U4/U6 small nuclear ribonucleoprote  
 39392\_at Cluster Incl. AJ002190:Homo sapiens cDNA for dihydroxyacetone phosphate  
**35** 39445\_at Cluster Incl. AF038661:Homo sapiens chromosome 1q21-1q23 beta-1,4-galac  
 39735\_at Cluster Incl. AF069987:Homo sapiens nitrilase 1 (NIT1) mRNA, complete c  
 39800\_s\_at Cluster Incl. U68566:Human HS1 binding protein HAX-1 mRNA, nuclear ge  
 40099\_at Cluster Incl. AB014551:Homo sapiens mRNA for KIAA0651 protein, complete  
 40425\_at Cluster Incl. M57730:Human B61 mRNA, complete cds /cds=(73,690) /gb=M57



- 40774\_at Cluster Incl. X74801:H.sapiens Cctg mRNA for chaperonin /cds=(0,1634) /
- 32262\_at Cluster Incl. AL049669:Human gene from PAC 612B18, chromosome 1 /cds=(2
- 33873\_at Cluster Incl. D43642:Human YL-1 mRNA for YL-1 protein (nuclear protein
- 33885\_at Cluster Incl. AB020714:Homo sapiens mRNA for KIAA0907 protein, complete
- 5 33909\_at Cluster Incl. L35013:Human spliceosomal protein (SAP 49) gene, complete
- 35779\_at Cluster Incl. AJ133421:Homo sapiens mRNA for leucocyte vacuolar protein
- 38779\_r\_at Cluster Incl. D16431:Human mRNA for hepatoma-derived growth factor, c
- 39126\_at Cluster Incl. AL080101:Homo sapiens mRNA; cDNA DKFZp564L0472 (from  
clon
- 10 39149\_at Cluster Incl. X99720:H.sapiens TPRC gene /cds=(212,1687) /gb=X99720 /gi
- 40946\_at Cluster Incl. AI023044:ow65c01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41329\_at Cluster Incl. AI458463:tj99b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32546\_at Cluster Incl. U59309:Human fumarase precursor (FH) mRNA, nuclear gene e
- 15 METAGENE 310 :
- 31996\_at Cluster Incl. AI798834:we93c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 35109\_at Cluster Incl. AB018299:Homo sapiens mRNA for KIAA0756 protein, partial
- 35545\_at Cluster Incl. AB018282:Homo sapiens mRNA for KIAA0739 protein, partial
- 20 33520\_at Cluster Incl. M13232:Human factor VII serine protease precursor mRNA, c
- 36261\_at Cluster Incl. AC003003:Human Chromosome 16 BAC clone CIT987SK-254P9 /cd
- 39648\_at Cluster Incl. AB015594:Homo sapiens mRNA for Pex1 lp, complete cds /cds=
- 39934\_at Cluster Incl. AB023061:Homo sapiens mRNA for small GTP-binding protein
- 39991\_at Cluster Incl. L20815:Human S protein mRNA, complete cds /cds=(62,1522)
- 25 39995\_s\_at Cluster Incl. U13395:Human oxidoreductase (HHCMA56) mRNA, complete cd
- 34198\_at Cluster Incl. U12128:Human protein tyrosine phosphatase 1E (PTP1E) mRNA
- 37930\_at Cluster Incl. U11700:Human copper transporting ATPase mRNA, complete cd
- METAGENE 311 :
- 30
- 35454\_at Cluster Incl. AB007919:Homo sapiens mRNA for KIAA0450 protein, complete
- 32728\_at Cluster Incl. X81438:H.sapiens mRNA for amphiphysin /cds=(74,2161) /gb=
- 32565\_at Cluster Incl. U66619:Human SWI/SNF complex 60 KDa subunit (BAF60c) mRNA
- 456\_at U66619 /FEATURE= /DEFINITION=HSU66619 Human SWI/SNF complex 60 KDa
- 35 subuni
- METAGENE 312 :
- 33468\_at Cluster Incl. Z26317:H.sapiens mRNA for desmoglein 2 /cds=(11,3364) /gb

- 41062\_at Cluster Incl. AA037278:zc52c04.r1 Homo sapiens cDNA, 5' end /clone=IMAG
- 34709\_r\_at Cluster Incl. Z75331:H.sapiens mRNA for nuclear protein SA-2 /cds=(64
- 38656\_s\_at Cluster Incl. W27939:39g3 Homo sapiens cDNA /gb=W27939 /gi=1307887 /u
- 39724\_s\_at Cluster Incl. U58087:Human Hs-cul-1 mRNA, complete cds /cds=(124,2382
- 5 41234\_at Cluster Incl. AI540318:tq34f03.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 32830\_g\_at Cluster Incl. X97544:H.sapiens mRNA for TIM17 preprotein translocase
- 34341\_at Cluster Incl. U00238:Homo sapiens glutamine PRPP amidotransferase (GPAT
- 36111\_s\_at Cluster Incl. X75755:H.sapiens PR264 gene /cds=(98,763) /gb=X75755 /g
- 36189\_at Cluster Incl. U10323:Human nuclear factor NF45 mRNA, complete cds /cds=
- 10 37674\_at Cluster Incl. Y00451:Human mRNA for 5-aminolevulinate synthase /cds=(83
- 37757\_at Cluster Incl. L23959:Homo sapiens E2F-related transcription factor (DP-
- 38031\_at Cluster Incl. D21853:Human mRNA for KIAA0111 gene, complete cds /cds=(2
- 40587\_s\_at Cluster Incl. AF054186:Homo sapiens p18 protein mRNA, complete cds /c
- 40964\_at Cluster Incl. Z46376:H.sapiens HK2 mRNA for hexokinase II /cds=(1490,42
- 15 41275\_at Cluster Incl. U31556:Human transcription factor E2F-5 mRNA, complete cd
- 41530\_at Cluster Incl. D16294:Human mRNA for mitochondrial 3-oxoacyl-CoA thiolas
- 2012\_s\_at U34994 /FEATURE= /DEFINITION=HSU34994 Homo sapiens DNA dependent
- prote
- 1928\_s\_at U78733 /FEATURE=mRNA#1 /DEFINITION=HSSMAD2S8 Homo sapiens mad
- 20 protein
- 1565\_s\_at M96995 /FEATURE= /DEFINITION=HUMEGFGRBA Homo sapiens epidermal
- growth
- 1505\_at D00596 /FEATURE=cds /DEFINITION=HUMTS1 Homo sapiens gene for thymidylate
- 1031\_at U09564 /FEATURE= /DEFINITION=HSU09564 Human serine kinase mRNA, complete
- 25 1011\_s\_at U54778 /FEATURE= /DEFINITION=HSU54778 Human 14-3-3 epsilon mRNA,
- compl
- 968\_i\_at X98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin
- 673\_at J04031 /FEATURE= /DEFINITION=HUMMDMCSF Human methylenetetrahydrofolate de
- 633\_s\_at L40386 /FEATURE=mRNA /DEFINITION=HUMDP2M Human DP-2 mRNA,
- 30 complete cds
- 452\_at U66615 /FEATURE= /DEFINITION=HSU66615 Human SWI/SNF complex 155 KDa
- subun
- 276\_at L08069 /FEATURE= /DEFINITION=HUMDNAJHOM Human heat shock protein, E. coli
- 35 METAGENE 313 :
- 36809\_at Cluster Incl. L01664:Human eosinophil Charcot-Leyden crystal (CLC) prot
- 37884\_f\_at Cluster Incl. AI375033:ta66e10.x1 Homo sapiens cDNA, 3' end /clone=IM
- 40419\_at Cluster Incl. X85116:H.sapiens epb72 gene exon 1 /cds=(61,927) /gb=X851

37754\_at Cluster Incl. L13210:Human Mac-2 binding protein mRNA, complete cds /cd

METAGENE 314 :

- 5** 31697\_s\_at Cluster Incl. J04755:Human ferritin H processed pseudogene, complete  
34544\_at Cluster Incl. X78925:H.sapiens HZF2 mRNA for zinc finger protein /cds=(  
38220\_at Cluster Incl. U20938:Human lymphocyte dihydropyrimidine dehydrogenase m  
41474\_at Cluster Incl. Y08319:H.sapiens mRNA for kinesin-2 /cds=(18,2057) /gb=Y0  
41635\_at Cluster Incl. D14661:Human mRNA for KIAA0105 gene, complete cds /cds=(1
- 10** 41855\_at Cluster Incl. AF030424:Homo sapiens histone acetyltransferase 1 mRNA, c  
31850\_at Cluster Incl. M90656:Human gamma-glutamylcysteine synthetase (GCS) mRNA  
31853\_at Cluster Incl. AF080227:Homo sapiens embryonic ectoderm development prot  
32060\_at Cluster Incl. U15173:Homo sapiens BCL2/adenovirus E1B 19kD-interacting  
32067\_at Cluster Incl. S68271:CREM=cyclic AMP-responsive element modulator [huma
- 15** 32621\_at Cluster Incl. M97388:Human TATA binding protein-associated phosphoprote  
33253\_at Cluster Incl. D50919:Human mRNA for KIAA0129 gene, complete cds /cds=(1  
33305\_at Cluster Incl. M93056:Human monocyte/neutrophil elastase inhibitor mRNA  
34749\_at Cluster Incl. U83461:Human putative copper uptake protein (hCTR2) mRNA,  
37910\_at Cluster Incl. U52112:host cell factor 1 /cds=(344,6451) /gb=U52112 /gi=
- 20** 38999\_s\_at Cluster Incl. M86707:Homo sapiens myristoyl CoA-protein N-myristoyltr  
40852\_at Cluster Incl. AB025254:Homo sapiens mRNA for tudor repeat associator wi  
32232\_at Cluster Incl. AF047181:Homo sapiens NADH-ubiquinone oxidoreductase subu  
34857\_at Cluster Incl. Z24724:H.sapiens polyA site DNA /cds=UNKNOWN /gb=Z24724 /  
35777\_at Cluster Incl. AB000468:Homo sapiens mRNA for zinc finger protein, compl
- 25** 36672\_at Cluster Incl. L13977:Human prolylcarboxypeptidase mRNA, complete cds /c  
36971\_at Cluster Incl. D87446:Human mRNA for KIAA0257 gene, partial cds /cds=(0,  
37025\_at Cluster Incl. AL120815:DKFZp762F172\_r1 Homo sapiens cDNA, 5' end /clone  
37742\_at Cluster Incl. M34423:Human beta-galactosidase (GLB1) mRNA, complete cds  
38481\_at Cluster Incl. M63488:Human replication protein A 70kDa subunit mRNA com
- 30** 38745\_at Cluster Incl. X76488:H.sapiens mRNA for lysosomal acid lipase /cds=(145  
40258\_at Cluster Incl. M55265:Human casein kinase II alpha subunit mRNA, complet  
40931\_at Cluster Incl. AL080084:Homo sapiens mRNA; cDNA DKFZp564G2362 (from  
clon
- 41295\_at Cluster Incl. AL041780:DKFZp434A0418\_s1 Homo sapiens cDNA, 3' end /clon
- 35** 1868\_g\_at AF005775 /FEATURE= /DEFINITION=AF005775 Homo sapiens caspase-like  
apop  
1715\_at U37518 /FEATURE= /DEFINITION=HSU37518 Human TNF-related apoptosis induci  
1557\_at U24152 /FEATURE= /DEFINITION=HSU24152 Human p21-activated protein kinase

	1558_g_at	U24152 /FEATURE= /DEFINITION=HSU24152 Human p21-activated protein kina
	1378_g_at	M58603 /FEATURE= /DEFINITION=HUMNFKB Human nuclear factor kappa-B DNA
5	831_at	U28042 /FEATURE= /DEFINITION=HSU28042 Human DEAD box RNA helicase-like pr
METAGENE 315 :		
	31477_at	Cluster Incl. L08044:Human intestinal trefoil factor mRNA, complete cds
10	36374_at	Cluster Incl. U79293:Human clone 23948 mRNA sequence /cds=UNKNOWN /gb=U
	38960_at	Cluster Incl. U45975:Human phosphatidylinositol (4,5)bispophosphate 5-pho
	39669_at	Cluster Incl. AJ009985:Homo sapiens mRNA for annexin 31 /cds=(436,1452)
	41660_at	Cluster Incl. AL031588:dJ1163J1.1 (ortholog of mouse transmembrane rece
15	31805_at	Cluster Incl. M64347:Human novel growth factor receptor mRNA, 3 cds /cd
	32108_at	Cluster Incl. M76231:Human sepiapterin reductase mRNA, complete cds /cd
	35164_at	Cluster Incl. AF084481:Homo sapiens transmembrane protein (WFS1) mRNA,
	35676_at	Cluster Incl. AF006386:Homo sapiens axonemal dynein light chain (hp28)
	36454_at	Cluster Incl. AF037335:Homo sapiens carbonic anhydrase precursor (CA 12
20	36495_at	Cluster Incl. U21931:Human fructose-1,6-biphosphatase (FBP1) gene /cds=
	39755_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromosome
	39756_g_at	Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromoso
	40148_at	Cluster Incl. U62325:Human FE65-like protein (hFE65L) mRNA, partial cds
	40422_at	Cluster Incl. X16302:Human mRNA for insulin-like growth factor binding
25	40511_at	Cluster Incl. X58072:Human hGATA3 mRNA for trans-acting T-cell specific
	32251_at	Cluster Incl. AA149307:z125h05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	34775_at	Cluster Incl. AF065388:Homo sapiens tetraspan NET-1 mRNA, complete cds
	34788_at	Cluster Incl. AL049365:Homo sapiens mRNA; cDNA DKFZp586A0618 (from clon
30	34859_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE) /
	34860_g_at	Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE)
	35275_at	Cluster Incl. AL050025:Homo sapiens mRNA; cDNA DKFZp564D066 (from clone
	35766_at	Cluster Incl. M26326:Human keratin 18 mRNA, complete cds /cds=(51,1343)
35	35770_at	Cluster Incl. D16469:Human mRNA for ORF, Xq terminal portion /cds=(1353
	37008_r_at	Cluster Incl. M68516:Human protein C inhibitor gene, complete cds /cd
	40902_at	Cluster Incl. AL050082:Homo sapiens mRNA; cDNA DKFZp566J2446 (from clon
	1822_at	Oncogene Ret/Ptc2, Fusion Activated
	1823_g_at	Oncogene Ret/Ptc2, Fusion Activated

1745\_at Oncogene Ret/Ptc, Fusion Activated

1741\_s\_at S37730 /FEATURE=cds /DEFINITION=S37712S4 insulin-like growth factor bi

520\_at U07358 /FEATURE= /DEFINITION=HSU07358 Human protein kinase (zpk) mRNA, co

## 5 METAGENE 316 :

36289\_f\_at Cluster Incl. U27333:Human alpha (1,3) fucosyltransferase (FUT6) mRNA

33332\_at Cluster Incl. Z93241:dJ222E13.1a.1 (C-terminal part of novel protein dJ

34674\_at Cluster Incl. X58079:Human mRNA for S100 alpha protein /cds=(113,397) /

## 10

## METAGENE 317 :

36812\_at Cluster Incl. U92715:Homo sapiens breast cancer antiestrogen resistance

37986\_at Cluster Incl. M60459:Human erythropoietin receptor mRNA, complete cds /

## 15 40064\_at Cluster Incl. AB011121:Homo sapiens mRNA for KIAA0549 protein, partial

32798\_at Cluster Incl. AF043105:Homo sapiens glutathione S-transferase mu 3 (GST

1120\_at J05459 /FEATURE=mRNA /DEFINITION=HUMGSTM3A Human glutathione transferase

1121\_g\_at J05459 /FEATURE=mRNA /DEFINITION=HUMGSTM3A Human glutathione transferase

## 20

## METAGENE 318 :

40798\_s\_at Cluster Incl. Z48579:H.sapiens mRNA for disintegrin-metalloprotease (

33385\_g\_at Cluster Incl. U31346:Human calpastatin mRNA, partial cds, long 3UTR /

## 25 33411\_g\_at Cluster Incl. S66213:integrin alpha 6B [human, mRNA Partial, 528 nt]

41244\_f\_at Cluster Incl. X80910:H.sapiens PPP1CB mRNA /cds=(258,1241) /gb=X80910

1920\_s\_at X77794 /FEATURE=cds /DEFINITION=HSCYCG1 H.sapiens mRNA for cyclin G1

1321\_s\_at U43916 /FEATURE= /DEFINITION=HSU43916 Human tumor-associated

## 30 membrane

696\_at Homeotic Protein Hox5.4

340\_at AJ001047 /FEATURE=cds /DEFINITION=HSMATRIL3 Homo sapiens mRNA for matrilin

## METAGENE 319 :

## 35

36000\_at Cluster Incl. X98054:H.sapiens mRNA for G13 protein /cds=(33,2144) /gb=

36822\_at Cluster Incl. U51334:Human putative RNA binding protein (RBP56) mRNA, c

38295\_at Cluster Incl. X59842:Human PBX2 mRNA /cds=UNKNOWN /gb=X59842

/gi=35312

40137\_at Cluster Incl. M31724:Human phosphotyrosyl-protein phosphatase (PTP-1B)  
 34836\_at Cluster Incl. U18420:Human ras-related small GTP binding protein Rab5 (

## METAGENE 320 :

5

33576\_at Cluster Incl. AB020725:Homo sapiens mRNA for KIAA0918 protein, partial  
 37832\_at Cluster Incl. AL080062:Homo sapiens mRNA; cDNA DKFZp564I122 (from clone  
 40035\_at Cluster Incl. AB012917:Homo sapiens mRNA for serine protease (TLSP), co  
 31843\_at Cluster Incl. AB020639:Homo sapiens mRNA for KIAA0832 protein, complete  
 10 36074\_at Cluster Incl. U12897:Homo sapiens IPW mRNA sequence /cds=UNKNOWN  
 /gb=U1  
 39701\_at Cluster Incl. AB006625:Homo sapiens mRNA for KIAA0287 gene, partial cds  
 41749\_at Cluster Incl. U53003:Human GT335 mRNA, complete cds /cds=(84,890) /gb=U  
 34812\_at Cluster Incl. W26099:22f11 Homo sapiens cDNA /gb=W26099 /gi=1306645 /ug  
 15 36596\_r\_at Cluster Incl. S68805:L-arginine-glycine amidinotransferase [human, ki  
 37698\_at Cluster Incl. X97335:H.sapiens mRNA for kinase A anchor protein /cds=(1  
 38768\_at Cluster Incl. X96752:H.sapiens mRNA for L-3-hydroxyacyl-CoA dehydrogena  
 38816\_at Cluster Incl. AF095791:Homo sapiens TACC2 protein (TACC2) mRNA, partial  
 1637\_at U09578 /FEATURE= /DEFINITION=HSU09578 Homo sapiens MAPKAP kinase (3pK) m  
 20 1211\_s\_at U84388 /FEATURE= /DEFINITION=HSU84388 Human death domain containing  
 pr

## METAGENE 321 :

25 31531\_g\_at Cluster Incl. U89344:Human acetyl-CoA carboxylase (ACC2) mRNA, comple  
 33555\_at Cluster Incl. AF041261:Homo sapiens immunoglobulin-like transcript 7 mR  
 38521\_at Cluster Incl. X59350:H.sapiens mRNA for B cell membrane protein CD22 /c  
 40044\_at Cluster Incl. U16282:Human ELL mRNA, complete cds /cds=(12,1877) /gb=U1  
 33223\_at Cluster Incl. AB011133:Homo sapiens mRNA for KIAA0561 protein, partial  
 30 38063\_at Cluster Incl. U00952:Human clone A9A2BRB7 (CAC)<sub>n</sub>/(GTG)<sub>n</sub> repeat-containi  
 41539\_at Cluster Incl. U77782:Human N-methyl-D-aspartate receptor 2C subunit pre  
 810\_at U64105 /FEATURE= /DEFINITION=HSU64105 Human guanine nucleotide exchange f

## METAGENE 322 :

35

36766\_at Cluster Incl. X55988:Human EDN mRNA for eosinophil derived neurotoxin /  
 35188\_at Cluster Incl. AB018336:Homo sapiens mRNA for KIAA0793 protein, complete  
 40447\_at Cluster Incl. D87436:Human mRNA for KIAA0249 gene, complete cds /cds=(2  
 38730\_at Cluster Incl. AB020671:Homo sapiens mRNA for KIAA0864 protein, partial

## METAGENE 323 :

	34957_at	Cluster Incl. Y18504:Homo sapiens X5L gene /cds=(112,1089) /gb=Y18504 /
5	36781_at	Cluster Incl. X01683:Human mRNA for alpha 1-antitrypsin /cds=(38,1294)
	36790_at	Cluster Incl. M19267:Human tropomyosin mRNA, complete cds /cds=(286,114
	36791_g_at	Cluster Incl. M19267:Human tropomyosin mRNA, complete cds /cds=(286,1
	39303_at	Cluster Incl. Y14153:Homo sapiens mRNA for beta-transducin repeat conta
	40654_at	Cluster Incl. U88871:Human HsPex7p (HsPEX7) mRNA, complete cds /cds=(81
10	33811_at	Cluster Incl. AI761567:wg66a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36013_at	Cluster Incl. AF006621:Homo sapiens embryonic lung protein (HUEL) mRNA,
	36506_at	Cluster Incl. AJ131693:Homo sapiens mRNA for AKAP450 protein /cds=(222,
	36508_at	Cluster Incl. AF030186:Homo sapiens glypican-4 (GPC4) mRNA, complete cd
	37532_at	Cluster Incl. M91432:Human medium-chain acyl-CoA dehydrogenase (MCAD) g
15	38643_at	Cluster Incl. W87466:zh67c05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	38649_at	Cluster Incl. AB023187:Homo sapiens mRNA for KIAA0970 protein, complete
	39071_at	Cluster Incl. M14648:Human cell adhesion protein (vitronectin) receptor
	39405_at	Cluster Incl. D87455:Human mRNA for KIAA0266 gene, complete cds /cds=(7
	40077_at	Cluster Incl. Z11559:H.sapiens mRNA for iron regulatory factor /cds=(10
20	40437_at	Cluster Incl. AL049944:Homo sapiens mRNA; cDNA DKFZp564G2022 (from
	clon	
	40504_at	Cluster Incl. AF001601:Homo sapiens paraoxonase (PON2) mRNA, complete c
	40854_at	Cluster Incl. J04973:Human cytochrome bc-1 complex core protein II mRNA
	32838_at	Cluster Incl. S67247:smooth muscle myosin heavy chain isoform SMemb [hu
25	33340_at	Cluster Incl. AB007898:Homo sapiens KIAA0438 mRNA, complete cds /cds=(1
	33431_at	Cluster Incl. U05291:Human fibromodulin mRNA, partial cds /cds=(0,177)
	33924_at	Cluster Incl. AB029014:Homo sapiens mRNA for KIAA1091 protein, partial
	33936_at	Cluster Incl. D86181:Homo sapiens DNA for galactocerebrosidase /cds=(14
	34821_at	Cluster Incl. AL050197:Homo sapiens mRNA; cDNA DKFZp586D0623 (from
30	clon	
	35783_at	Cluster Incl. H93123:yv05g07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	37045_at	Cluster Incl. D87443:Human mRNA for KIAA0254 gene, complete cds /cds=(5
	37366_at	Cluster Incl. AL049969:Homo sapiens mRNA; cDNA DKFZp564A072 (from
	clone	
35	37393_at	Cluster Incl. L19314:Human HRY gene, complete cds /cds=(0,842) /gb=L193
	37669_s_at	Cluster Incl. U16799:Human Na,K-ATPase beta-1 subunit mRNA, complete
	38013_at	Cluster Incl. AL096842:Homo sapiens mRNA; cDNA DKFZp586D1519 (from
	clon	

- 38033\_at Cluster Incl. AL049934:Homo sapiens mRNA; cDNA DKFZp564M1416 (from  
clon
- 38075\_at Cluster Incl. X68194:H.sapiens h-Sp1 mRNA /cds=(33,812) /gb=X68194 /gi=
- 38079\_at Cluster Incl. AL049367:Homo sapiens mRNA; cDNA DKFZp586B0918 (from  
5 clon
- 38411\_at Cluster Incl. U90916:Human clone 23815 mRNA sequence /cds=UNKNOWN  
/gb=U
- 39809\_at Cluster Incl. AF019214:Homo sapiens HMG box containing protein 1 mRNA,
- 40281\_at Cluster Incl. D63878:Human mRNA for KIAA0158 gene, complete cds /cds=(2
- 10 40961\_at Cluster Incl. X72889:H.sapiens hbrm mRNA /cds=(222,4982) /gb=X72889 /gi
- 32531\_at Cluster Incl. X52947:Human mRNA for cardiac gap junction protein /cds=(
- 33126\_at Cluster Incl. L13435:Human chromosome 3p21.1 gene sequence  
/cds=UNKNOWN
- 1377\_at M58603 /FEATURE= /DEFINITION=HUMNFKB Human nuclear factor kappa-B DNA bi
- 15 393\_s\_at X90976 /FEATURE= /DEFINITION=HSRNAML11 H.sapiens mRNA for an  
acute myel

## METAGENE 324 :

- 20 35980\_at Cluster Incl. AB011153:Homo sapiens mRNA for KIAA0581 protein, partial
- 38634\_at Cluster Incl. M11433:Human cellular retinol-binding protein mRNA, compl
- 39331\_at Cluster Incl. X79535:H.sapiens mRNA for beta tubulin, clone nuk\_278 /cd
- 33856\_at Cluster Incl. Y13374:Homo sapiens mRNA for putatively prenylated protei
- 32530\_at Cluster Incl. X56468:Human mRNA for 14.3.3 protein, a protein kinase re
- 25 471\_f\_atU47634 /FEATURE= /DEFINITION=HSU47634 Human beta-tubulin class III isot
- 429\_f\_atX00734 /FEATURE=cds /DEFINITION=HSREP10 Human beta-tubulin gene (5-beta
- 296\_at Tubulin, Beta
- 297\_g\_at Tubulin, Beta
- 266\_s\_at L33930 /FEATURE= /DEFINITION=HUMCD24B Homo sapiens CD24 signal
- 30 transduc

## METAGENE 325 :

- 39751\_at Cluster Incl. AF052182:Homo sapiens clone 24590 mRNA sequence /cds=UNKN
- 35 1567\_at S77812 /FEATURE= /DEFINITION=S77812 flt=vascular endothelial growth fact
- 991\_g\_at X51602 /FEATURE=cds /DEFINITION=HSFLT Human flt mRNA for receptor-  
relat

## METAGENE 326 :



	34031_i_at	Cluster Incl. U90268:Human Krit1 mRNA, complete cds /cds=(25,1614) /g
	37869_at	Cluster Incl. AB029004:Homo sapiens mRNA for KIAA1081 protein, partial
	38208_at	Cluster Incl. AB021981:Homo sapiens mRNA for UDP-N-acetylglucosamine tr
5	38224_at	Cluster Incl. U71300:Human snRNA activating protein complex 50kD subuni
	41429_at	Cluster Incl. M65254:Protein phosphatase 2A 65 kDa regulatory subunit-b
	41713_at	Cluster Incl. U09848:Human zinc finger protein (ZNF139) mRNA, partial c
	31872_at	Cluster Incl. X79201:H.sapiens mRNA for SYT /cds=(3,1178) /gb=X79201 /g
	34195_at	Cluster Incl. AL121073:DKFZp762B235_r1 Homo sapiens cDNA, 5 end /clone
10	39376_at	Cluster Incl. AB014530:Homo sapiens mRNA for KIAA0630 protein, partial
	40101_g_at	Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP4
	40495_at	Cluster Incl. AA306076:EST177079 Homo sapiens cDNA, 5 end /clone=ATCC-
	34890_at	Cluster Incl. L09235:Human vacuolar ATPase (isoform VA68) mRNA, complet
	36632_at	Cluster Incl. U00957:Human clone KDB1.2 (CAC)n/(GTG)n repeat-containing
15	36962_at	Cluster Incl. U24105:Homo sapiens coatomer protein (COPA) mRNA, complet
	36982_at	Cluster Incl. U30888:Human tRNA-guanine transglycosylase mRNA, complete
	37758_s_at	Cluster Incl. W28479:47d8 Homo sapiens cDNA /gb=W28479 /gi=1308427 /u
	39560_at	Cluster Incl. H10776:ym07h11.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	40545_at	Cluster Incl. AB018566:Homo sapiens gene for Proline synthetase associa
20	1668_s_at	L15409 /FEATURE= /DEFINITION=HUMHIPLIND Homo sapiens (clone g7)
	von Hi	

## METAGENE 327 :

25	34563_at	Cluster Incl. D26361:Human mRNA for KIAA0042 gene, complete cds /cds=(4
	32324_at	Cluster Incl. X57346:H.sapiens mRNA for HS1 protein /cds=(372,1112) /gb
	38158_at	Cluster Incl. D79987:Human mRNA for KIAA0165 gene, complete cds /cds=(1
	38933_at	Cluster Incl. AL021366:cICK0721Q.3 (Kinesin related protein) /cds=(163,
	39677_at	Cluster Incl. D80008:Human mRNA for KIAA0186 gene, complete cds /cds=(9
30	40041_at	Cluster Incl. AF017790:Homo sapiens retinoblastoma-associated protein H
	40347_at	Cluster Incl. AA913812:ol39a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	40348_s_at	Cluster Incl. W25866:14c12 Homo sapiens cDNA /gb=W25866 /gi=1305989 /
	40690_at	Cluster Incl. X54942:H.sapiens cks1 mRNA for Cks1 protein homologue /
	40726_at	Cluster Incl. U37426:Human kinesin-like spindle protein HKSP (HKSP) mRN
35	41403_at	Cluster Incl. AI032612:ow17e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41415_at	Cluster Incl. L36720:Homo sapiens bystin mRNA, complete cds /cds=(64,98
	41650_at	Cluster Incl. U63810:Homo sapiens WD40 protein Ciao 1 mRNA, complete cd
	32120_at	Cluster Incl. AF063308:Homo sapiens coiled-coil related protein DEEPEST
	33252_at	Cluster Incl. D38073:Human mRNA for hRlf beta subunit (p102 protein), c

	33266_at	Cluster Incl. AF015254:Homo sapiens serine/threonine kinase (STK-1) mRNA
	34715_at	Cluster Incl. U74612:Human hepatocyte nuclear factor-3/fork head homolo
	34736_at	Cluster Incl. M25753:Human cyclin B mRNA, 3 end /cds=UNKNOWN
	/gb=M2575	
5	35249_at	Cluster Incl. AF091433:Homo sapiens cyclin E2 mRNA, complete cds /cds=(
	35699_at	Cluster Incl. AF053306:Homo sapiens mitotic checkpoint kinase Mad3L (MA
	35995_at	Cluster Incl. AF067656:Homo sapiens ZW10 interactor Zwint mRNA, complet
	36813_at	Cluster Incl. U96131:Homo sapiens HPV16 E1 protein binding protein mRNA
	36839_at	Cluster Incl. U77949:Human Cdc6-related protein (HsCDC6) mRNA, complete
10	36863_at	Cluster Incl. AF032862:Homo sapiens intracellular hyaluronic acid bindi
	37193_at	Cluster Incl. D78335:Human mRNA for 5-terminal region of UMK, complete
	37228_at	Cluster Incl. U01038:Human pLK mRNA, complete cds /cds=(63,1874) /gb=U0
	37920_at	Cluster Incl. U70370:Human hindlimb expressed homeobox protein backfoot
	38675_at	Cluster Incl. AI087268:oz77e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
15	40074_at	Cluster Incl. X16396:Human mRNA for NAD-dependent methylene tetrahydrof
	40117_at	Cluster Incl. D84557:Homo sapiens mRNA for HsMcm6, complete cds /cds=(6
	40145_at	Cluster Incl. AI375913:tc14c08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40412_at	Cluster Incl. AA203476:zx55e01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	40417_at	Cluster Incl. D43950:Human mRNA for KIAA0098 gene, partial cds /cds=(0,
20	32222_at	Cluster Incl. AA152202:zl06a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32767_at	Cluster Incl. M74558:Human SIL mRNA, complete cds /cds=(380,4243) /gb=M
	34829_at	Cluster Incl. U59151:Human Cbf5p homolog (CBF5) mRNA, complete cds /cds
	34851_at	Cluster Incl. AF011468:Homo sapiens serine/threonine kinase (BTAK) mRNA
	35312_at	Cluster Incl. D21063:Human mRNA for KIAA0030 gene, partial cds /cds=(0,
25	35839_at	Cluster Incl. D78130:Homo sapiens mRNA for squalene epoxidase, complete
	37302_at	Cluster Incl. U30872:Human mitotin mRNA, complete cds /cds=(72,9413) /g
	38116_at	Cluster Incl. D14657:Human mRNA for KIAA0101 gene, complete cds /cds=(6
	38456_s_at	Cluster Incl. AL049650:dJ734P14.2.2 (snRNP (small nuclear ribonucleop
	38804_at	Cluster Incl. AF053641:Homo sapiens brain cellular apoptosis susceptibi
30	39109_at	Cluster Incl. AB024704:Homo sapiens mRNA for fls353, complete cds /cds=
	41583_at	Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B
	1943_at	X51688 /FEATURE=mRNA /DEFINITION=HSCYCLINA Human mRNA for cyclin A
	1945_at	M25753 /FEATURE=mRNA /DEFINITION=HUMCYCB Human cyclin B mRNA, 3 end
	1809_at	AB003698 /FEATURE= /DEFINITION=AB003698 Homo sapiens mRNA for Cdc7-relat
35	1651_at	U73379 /FEATURE= /DEFINITION=HSU73379 Human cyclin-selective ubiquitin c
	1599_at	L25876 /FEATURE= /DEFINITION=HUMPTPB Homo sapiens protein tyrosine phosph
	1544_at	U39817 /FEATURE= /DEFINITION=HSU39817 Human Bloom s syndrome protein (BL
	1536_at	U77949 /FEATURE= /DEFINITION=HSU77949 Human Cdc6-related protein (HsCDC6
	1516_g_at	Rad2

- 1055\_g\_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C,  
37-k
- 904\_s\_at L47276 /FEATURE=UTR#1 /DEFINITION=HUMTOPATR Homo sapiens (cell  
line HL-
- 5 572\_at M86699 /FEATURE= /DEFINITION=HUMTTK Human kinase (TTK) mRNA, complete  
cds
- 527\_at U14518 /FEATURE= /DEFINITION=HSU14518 Human centromere protein-A (CENP-A)
- 419\_at X65550 /FEATURE=exon#15 /DEFINITION=HSMKI67 H.sapiens mki67a mRNA (long t
- 349\_g\_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-  
10 related pro
- 149\_at U90426 /FEATURE= /DEFINITION=HSU90426 Human nuclear RNA helicase, complet
- 151\_s\_at V00599 /FEATURE=mRNA /DEFINITION=HSTUB2 Human mRNA fragment  
encoding be
- 15 METAGENE 328 :
- 37472\_at Cluster Incl. U60337:Homo sapiens beta-mannosidase mRNA, complete cds /
- 37874\_at Cluster Incl. Z47553:H.sapiens mRNA for flavin-containing monooxygenase
- 38151\_at Cluster Incl. AF002672:Homo sapiens breast cancer suppressor candidate
- 20 39597\_at Cluster Incl. AB020650:Homo sapiens mRNA for KIAA0843 protein, complete
- 40038\_at Cluster Incl. W02490:za48b02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 32079\_at Cluster Incl. AB014539:Homo sapiens mRNA for KIAA0639 protein, partial
- 32664\_at Cluster Incl. D37931:Human mRNA for RNase 4, complete cds /cds=(27,470)
- 32685\_at Cluster Incl. AB002349:Human mRNA for KIAA0351 gene, complete cds /cds=
- 25 33749\_at Cluster Incl. AB007455:Homo sapiens mRNA for P53TG1-A, complete cds /cd
- 39752\_at Cluster Incl. AF040704:Homo sapiens putative tumor suppressor protein (
- 35834\_at Cluster Incl. X59766:H.sapiens mRNA for Zn-alpha2-glycoprotein /cds=(10
- 33140\_at Cluster Incl. AF029893:Homo sapiens i-beta-1,3-N-acetylglucosaminyltran
- 1103\_at M11567 /FEATURE=mRNA /DEFINITION=HUMAGG Human angiogenin gene,  
30 complete
- METAGENE 329 :
- 34644\_at Cluster Incl. AB021288:Homo sapiens mRNA for beta 2-microglobulin, comp
- 35 35017\_f\_at Cluster Incl. M80469:Human MHC class I HLA-J gene, exons 1-8 and comp
- 36804\_at Cluster Incl. M34455:Human interferon-gamma-inducible indoleamine 2,3-d
- 37421\_f\_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,
- 37454\_at Cluster Incl. AJ001634:Homo sapiens mRNA for CC-chemokine MCP-4 /cds=(4
- 38160\_at Cluster Incl. AF011333:Homo sapiens DEC-205 mRNA, complete cds /cds=(53

- 38241\_at Cluster Incl. U90548:Human butyrophilin (BTF3) mRNA, complete cds /cds=  
 39959\_at Cluster Incl. AL031983:dJ271M21.6 (Diubiquitin) /cds=(18,515) /gb=AL031  
 40008\_at Cluster Incl. U46573:Human eotaxin precursor mRNA, complete cds /cds=(5  
 40369\_f\_at Cluster Incl. AL022723:dJ377H14.1 (major histocompatibility complex,  
 5 40370\_f\_at Cluster Incl. M90683:Human lymphocyte antigen (HLA-G1) mRNA, complete  
 32700\_at Cluster Incl. M55543:Human guanylate binding protein isoform II (GBP-2)  
 41184\_s\_at Cluster Incl. X87344:H.sapiens DMA, DMB, HLA-Z1, IPP2, LMP2, TAP1, LM  
 37383\_f\_at Cluster Incl. X58536:Human mRNA for HLA class I locus C heavy chain /  
 998\_s\_at X59770 /FEATURE=mRNA /DEFINITION=HSIL1R2II H.sapiens IL-1R2 mRNA  
 10 for ty

## METAGENE 330 :

- 31673\_s\_at Cluster Incl. X65784:H.sapiens CAR gene /cds=(0,428) /gb=X65784 /gi=4  
 15 35411\_at Cluster Incl. AB018551:Homo sapiens ATPBL mRNA for coiled-coil protein,  
 35868\_at Cluster Incl. M91211:Human receptor for advanced glycosylation end prod  
 35961\_at Cluster Incl. AL049390:Homo sapiens mRNA; cDNA DKFZp586O1318 (from  
 clon  
 39288\_at Cluster Incl. AI951798:wx37f11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 20 39650\_s\_at Cluster Incl. AB007895:Homo sapiens KIAA0435 mRNA, complete cds /cds=  
 41396\_at Cluster Incl. AB006629:Homo sapiens mRNA for KIAA0291 gene, partial cds  
 32096\_at Cluster Incl. AC005546:Homo sapiens chromosome 19, cosmid R29425 /cds=(  
 34185\_at Cluster Incl. W22541:69B4 Homo sapiens cDNA /clone=(not-directional) /g  
 35629\_at Cluster Incl. AL022238:dJ1042K10.3 (novel protein) /cds=(0,731) /gb=AL0  
 25 35653\_at Cluster Incl. U28963:Human Gps2 (GPS2) mRNA, complete cds /cds=(90,1073  
 37977\_at Cluster Incl. AI138834:qe04b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38665\_at Cluster Incl. D85939:Homo sapiens mRNA for p97 homologous protein, comp  
 38718\_at Cluster Incl. AL050101:Homo sapiens mRNA; cDNA DKFZp586E1519 (from  
 clon  
 30 40098\_at Cluster Incl. AF001434:Human Hpast (HPAST) mRNA, complete cds /cds=(255  
 41189\_at Cluster Incl. Y09392:H.sapiens mRNA for WSL-LR, WSL-S1 and WSL-S2 prote  
 34874\_at Cluster Incl. AJ004832:Homo sapiens mRNA for neuropathy target esterase  
 35826\_at Cluster Incl. AF040253:Homo sapiens transcription factor Tat-CT1 mRNA,  
 36115\_at Cluster Incl. L29217:Homo sapiens clk3 mRNA, complete cds /cds=(56,1528  
 35 37384\_at Cluster Incl. D13640:Human mRNA for KIAA0015 gene, complete cds /cds=(1  
 37652\_at Cluster Incl. AB002328:Human mRNA for KIAA0330 gene, partial cds /cds=(  
 38122\_at Cluster Incl. D87075:Human mRNA for KIAA0238 gene, partial cds /cds=(0,  
 38750\_at Cluster Incl. U97669:Homo sapiens Notch3 (NOTCH3) mRNA, complete cds /c  
 39865\_at Cluster Incl. AI890903:wm91f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG

- 40221\_at Cluster Incl. L39059:Homo sapiens transcription factor SL1 mRNA, comple  
 41268\_g\_at Cluster Incl. AB028972:Homo sapiens mRNA for KIAA1049 protein, partia  
 1729\_at L41690 /FEATURE= /DEFINITION=HUMTRADD Homo sapiens TNF receptor-1 associ  
 1373\_at M31523 /FEATURE= /DEFINITION=HUMTFAA Human transcription factor (E2A) mR  
**5** 1185\_at D49410 /FEATURE=expanded\_cds /DEFINITION=HUMIL3RA12 Human gene for inter

## METAGENE 331 :

- 36456\_at Cluster Incl. AL080063:Homo sapiens mRNA; cDNA DKFZp564I052 (from clone  
**10** 38322\_at Cluster Incl. AI093155:qa97g04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32237\_at Cluster Incl. D87454:Human mRNA for KIAA0265 gene, partial cds /cds=(0,  
 38375\_at Cluster Incl. AF112219:Homo sapiens esterase D mRNA, complete cds /cds=  
 863\_g\_at U04313 /FEATURE= /DEFINITION=HSU04313 Human maspin mRNA,  
 complete cds  
**15** 291\_s\_at J04152 /FEATURE=mRNA /DEFINITION=HUMGA733A Human  
 gastrointestinal tumor

## METAGENE 332 :

- 20** 37149\_s\_at Cluster Incl. U95626:Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (c  
 39295\_s\_at Cluster Incl. AF049884:Homo sapiens Arg/Abl-interacting protein ArgBP  
 41087\_at Cluster Incl. AC004774:Homo sapiens BAC clone RG300E22 from 7q21-q31.1  
 33331\_at Cluster Incl. U17077:Human BENE mRNA, partial cds /cds=(0,446) /gb=U170  
 36053\_at Cluster Incl. AF041248:Homo sapiens cyclin-dependent kinase inhibitor (  
**25** 37265\_at Cluster Incl. D87074:Human mRNA for KIAA0237 gene, complete cds /cds=(4  
 40466\_at Cluster Incl. Z74792:H.sapiens mRNA for CCAAT transcription binding fac  
 40508\_at Cluster Incl. AF025887:Homo sapiens glutathione S-transferase A4-4 (GST  
 33392\_at Cluster Incl. AL080155:Homo sapiens mRNA; cDNA DKFZp434J154 (from clone  
 34365\_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, comp  
**30** 36118\_at Cluster Incl. AJ000882:Homo sapiens mRNA for steroid receptor coactivat  
 41806\_at Cluster Incl. J04513:Human basic fibroblast growth factor (bFGF) 22.5 k  
 1860\_at U58334 /FEATURE= /DEFINITION=HSU58334 Human Bcl2, p53 binding protein Bb

## METAGENE 333 :

**35**

- 37989\_at Cluster Incl. J03802:Human renal carcinoma parathgrad hormone-like pept  
 38484\_at Cluster Incl. D21267:Homo sapiens mRNA, complete cds /cds=(205,825) /gb  
 615\_s\_at M24351 /FEATURE=expanded\_cds /DEFINITION=HUMPTHL4 Human  
 parathyroid hor

## METAGENE 334 :

- 32434\_at Cluster Incl. D10522:Homo sapiens mRNA for 80K-L protein, complete cds
- 5 37163\_at Cluster Incl. AL050374:Homo sapiens mRNA; cDNA DKFZp586C1619 (from  
clon
- 41368\_at Cluster Incl. AA922934:oh10g06.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36491\_at Cluster Incl. D82345:Homo sapiens mRNA for NB thymosin beta, complete c
- 39379\_at Cluster Incl. AL049397:Homo sapiens mRNA; cDNA DKFZp586C1019 (from  
10 clon
- 41142\_at Cluster Incl. U62961:Human succinyl CoA-3-oxoacid CoA transferase precu
- 32190\_at Cluster Incl. AL050118:Homo sapiens mRNA; cDNA DKFZp586C201 (from  
clone
- 32855\_at Cluster Incl. L00352:Human low density lipoprotein receptor gene /cds=(
- 15 41517\_g\_at Cluster Incl. U95735:Human SNARE protein Ykt6 (YKT6) mRNA, complete c
- 2050\_s\_at M29870 /FEATURE= /DEFINITION=HUMRACA Human ras-related C3  
botulinum to

## METAGENE 335 :

- 20 38854\_at Cluster Incl. AB014535:Homo sapiens mRNA for KIAA0635 protein, complete
- 39317\_at Cluster Incl. D86324:Homo sapiens mRNA for CMP-N-acetylneuraminic acid
- 35722\_at Cluster Incl. AL080198:Homo sapiens mRNA; cDNA DKFZp434D222 (from  
clone
- 25 36864\_at Cluster Incl. AJ001625:Homo sapiens mRNA for Pex3 protein /cds=(63,1184
- 35304\_at Cluster Incl. AF052130:Homo sapiens clone 23704 mRNA sequence /cds=UNKN
- 38732\_at Cluster Incl. X91788:H.sapiens mRNA for Icln protein /cds=(88,801) /gb=

## METAGENE 336 :

- 30 31708\_at Cluster Incl. L05095:Homo sapiens ribosomal protein L30 mRNA, complete
- 34472\_at Cluster Incl. AB012911:Homo sapiens mRNA for Frizzled-6, complete cds /
- 39953\_i\_at Cluster Incl. AB014528:Homo sapiens mRNA for KIAA0628 protein, comple
- 40353\_at Cluster Incl. AL049962:Homo sapiens mRNA; cDNA DKFZp564P0823 (from  
35 clon
- 41604\_at Cluster Incl. U79297:Human clone 23589 mRNA sequence /cds=UNKNOWN  
/gb=U
- 31899\_at Cluster Incl. D14659:Human mRNA for KIAA0103 gene, complete cds /cds=(6
- 32697\_at Cluster Incl. AF042729:Homo sapiens lithium-sensitive myo-inositol mono

- 33761\_s\_at Cluster Incl. AB007962:Homo sapiens mRNA, chromosome 1 specific trans  
 34192\_at Cluster Incl. AB011104:Homo sapiens mRNA for KIAA0532 protein, partial  
 35153\_at Cluster Incl. AF058696:Homo sapiens cell cycle regulatory protein p95 (  
 36858\_at Cluster Incl. D25218:Human mRNA for KIAA0112 gene, partial cds /cds=(0,  
 5 37948\_at Cluster Incl. J05682:Human subunit C of V-ATPase (vat C) mRNA, 3 end /  
 38283\_at Cluster Incl. AB007619:Homo sapiens mRNA for EBAG9, complete cds /cds=(  
 38306\_at Cluster Incl. AA477576:zu44b03.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 38681\_at Cluster Incl. U62962:Human Int-6 mRNA, complete cds /cds=(22,1359) /gb=  
 39035\_at Cluster Incl. AF006010:Human progesterin induced protein (DD5) mRNA, comp  
 10 39036\_g\_at Cluster Incl. AF006010:Human progesterin induced protein (DD5) mRNA, co  
 39427\_at Cluster Incl. T79616:yd71e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 39706\_at Cluster Incl. AB014536:Homo sapiens mRNA for KIAA0636 protein, complete  
 40129\_at Cluster Incl. U47077:Human DNA-dependent protein kinase catalytic subun  
 32173\_at Cluster Incl. X95384:Homo sapiens mRNA for translational inhibitor prot  
 15 32255\_i\_at Cluster Incl. U40705:Homo sapiens telomeric repeat binding factor (TR  
 33368\_at Cluster Incl. X76040:H.sapiens mRNA for Lon protease-like protein /cds=  
 33877\_s\_at Cluster Incl. AB028990:Homo sapiens mRNA for KIAA1067 protein, partia  
 34312\_at Cluster Incl. AI040324:oy33a12.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35290\_at Cluster Incl. AL050081:Homo sapiens mRNA; cDNA DKFZp566J2146 (from clon  
 20 36117\_at Cluster Incl. L13616:Human focal adhesion kinase (FAK) mRNA, complete c  
 37673\_at Cluster Incl. X96586:H.sapiens mRNA for FAN protein /cds=(12,2765) /gb=  
 38114\_at Cluster Incl. D38551:Human mRNA for KIAA0078 gene, complete cds /cds=(1  
 38472\_at Cluster Incl. D63477:Human mRNA for KIAA0143 gene, partial cds /cds=(0,  
 41503\_at Cluster Incl. AB020661:Homo sapiens mRNA for KIAA0854 protein, complete  
 25 1789\_at U65928 /FEATURE= /DEFINITION=HSU65928 Human Jun activation domain bindin  
 1399\_at L34587 /FEATURE= /DEFINITION=HUMRPIE Homo sapiens RNA polymerase II elon  
 1235\_at M86400 /FEATURE= /DEFINITION=HUMPHPLA2 Human phospholipase A2 mRNA,  
 comp  
 1250\_at U47077 /FEATURE= /DEFINITION=HSU47077 Homo sapiens DNA-dependent protein  
 30 1073\_at M81601 /FEATURE= /DEFINITION=HUMTEFSII Human transcription elongation fa  
 623\_s\_at M28213 /FEATURE= /DEFINITION=HUMRAB2A Homo sapiens GTP-binding  
 protein  
 160043\_at X66087 /FEATURE=cds /DEFINITION=HSAMYB2 H.sapiens a-myb mRNA  
 /NOTE=rep

35

METAGENE 337 :

- 36213\_at Cluster Incl. AB016816:Homo sapiens MASL1 mRNA, complete cds /cds=(0,31  
 34701\_at Cluster Incl. U83192:Homo sapiens post-synaptic density protein 95 (PSD

- 36498\_at Cluster Incl. AI936759:wp69b12.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 1562\_g\_at U27193 /FEATURE= /DEFINITION=HSU27193 Human protein-tyrosine  
 phosphata  
 1343\_s\_at S66896 /FEATURE= /DEFINITION=S66896 squamous cell carcinoma antigen=se
- 5**
- METAGENE 338 :
- 35544\_at Cluster Incl. Y16280:Homo sapiens mRNA for G protein-coupled receptor E  
 32329\_at Cluster Incl. X99142:H.sapiens mRNA for hair keratin, hHb6 /cds=(0,1451  
**10** 40331\_at Cluster Incl. AF035819:Homo sapiens macrophage receptor MARCO mRNA, com  
 32128\_at Cluster Incl. Y13710:Homo sapiens mRNA for alternative activated macrop  
 37585\_at Cluster Incl. X13482:Human mRNA for U2 snRNP-specific A protein /cds=(5  
 35850\_at Cluster Incl. AI950382:wp10g06.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 41491\_s\_at Cluster Incl. AB028944:Homo sapiens mRNA for KIAA1021 protein, partia  
**15** 1481\_at L23808 /FEATURE= /DEFINITION=HUMHME Human metalloproteinase (HME) mRNA,  
 1482\_g\_at L23808 /FEATURE= /DEFINITION=HUMHME Human metalloproteinase  
 (HME) mRNA
- METAGENE 339 :
- 20**
- 32097\_at Cluster Incl. AB007862:Homo sapiens KIAA0402 mRNA, partial cds /cds=(0,  
 32713\_at Cluster Incl. U51587:Homo sapiens Golgi complex autoantigen golgin-97 m  
 40783\_s\_at Cluster Incl. L36151:Homo sapiens phosphatidylinositol 4-kinase mRNA,  
 35301\_at Cluster Incl. AL049941:Homo sapiens mRNA; cDNA DKFZp564E2222 (from  
**25** clon  
 35776\_at Cluster Incl. AF064243:Homo sapiens intersectin short form mRNA, comple  
 37764\_at Cluster Incl. D87328:Homo sapiens mRNA for HCS, complete cds /cds=(1231  
 41264\_at Cluster Incl. AL050172:Homo sapiens mRNA; cDNA DKFZp564F1322 (from  
 clon  
**30**
- METAGENE 340 :
- 32485\_at Cluster Incl. X00371:Human myoglobin gene (exon 1) (and joined CDS) /cd  
 36379\_at Cluster Incl. AF085808:Homo sapiens uroplakin III mRNA, complete cds /c  
**35** 34505\_at Cluster Incl. AL109725:Homo sapiens mRNA full length insert cDNA clone  
 32101\_at Cluster Incl. AA112483:zn69a06.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 37194\_at Cluster Incl. M68891:Human GATA-binding protein (GATA2) mRNA, complete  
 34347\_at Cluster Incl. AL049955:Homo sapiens mRNA; cDNA DKFZp564J0123 (from clon  
 34827\_at Cluster Incl. AF045458:Homo sapiens serine/threonine kinase ULK1 (ULK1)



- 37002\_at Cluster Incl. D32143:Human mRNA for biliverdin-IXbeta reductase I /cds=  
 38729\_at Cluster Incl. M88279:Human immunophilin (FKBP52) mRNA, complete cds /cd  
 1071\_at M77810 /FEATURE= /DEFINITION=HUMGATA2A Human transcription factor GATA-2  
 1072\_g\_at M77810 /FEATURE= /DEFINITION=HUMGATA2A Human transcription factor  
**5** GATA  
 203\_at M68891 /FEATURE= /DEFINITION=HUMGATA Human GATA-binding protein  
 (GATA2) m
- METAGENE 341 :
- 10**
- 31661\_at Cluster Incl. AJ243936:Homo sapiens mRNA for G16 protein (G16 gene loca  
 37130\_g\_at Cluster Incl. AI936758:wp69b11.x1 Homo sapiens cDNA, 3 end /clone=IM  
 37462\_i\_at Cluster Incl. L21990:Human spliceosomal protein (SAP 62) gene, comple  
 39601\_at Cluster Incl. AF061836:Homo sapiens putative tumor suppressor protein (  
**15** 39661\_s\_at Cluster Incl. AF034102:Homo sapiens NBMPR-insensitive nucleoside tran  
 41004\_at Cluster Incl. U43431:Human DNA topoisomerase III mRNA, complete cds /cd  
 31842\_at Cluster Incl. AF038195:Homo sapiens clone 23661 unknown protein mRNA, c  
 32032\_at Cluster Incl. L77566:Homo sapiens DGS-I mRNA, 3 end /cds=UNKNOWN  
 /gb=L
- 20**
- 35983\_at Cluster Incl. AC004528:Homo sapiens chromosome 19, cosmid R32184 /cds=(  
 36076\_g\_at Cluster Incl. AL037167:DKFZp564P1564\_s1 Homo sapiens cDNA, 3 end /cl  
 37246\_at Cluster Incl. AF070535:Homo sapiens clone 24432 mRNA sequence /cds=UNKN  
 37278\_at Cluster Incl. X92762:H.sapiens mRNA for tafazzins protein /cds=(288,116  
 37584\_at Cluster Incl. AJ007669:Homo sapiens mRNA for Fanconi anemia group G /cd  
**25** 38340\_at Cluster Incl. AB014555:Homo sapiens mRNA for KIAA0655 protein, partial  
 38703\_at Cluster Incl. AF005050:Homo sapiens aspartyl aminopeptidase mRNA, compl  
 38710\_at Cluster Incl. AL096714:Homo sapiens mRNA; cDNA DKFZp564E242 (from  
 clone
- 39339\_at Cluster Incl. AB018335:Homo sapiens mRNA for KIAA0792 protein, complete
- 30**
- 40416\_at Cluster Incl. U04847:Human Ini1 mRNA, complete cds /cds=(69,1226) /gb=U  
 40842\_at Cluster Incl. M60784:Human U1 snRNP-specific protein A gene /cds=(137,9  
 41161\_at Cluster Incl. AB015051:Homo sapiens mRNA for Daxx, complete cds /cds=(1  
 32198\_at Cluster Incl. W28979:54e8 Homo sapiens cDNA /gb=W28979 /gi=1308927 /ug=  
 32202\_at Cluster Incl. U67322:Human HBV associated factor (XAP4) mRNA, complete
- 35**
- 33889\_s\_at Cluster Incl. D79985:Human mRNA for KIAA0163 gene, complete cds /cds=  
 34358\_at Cluster Incl. Z49254:H.sapiens L23-related mRNA /cds=(54,515) /gb=Z4925  
 34864\_at Cluster Incl. AF070638:Homo sapiens clone 24448 unknown mRNA, partial c  
 36124\_at Cluster Incl. X59434:Human rohu mRNA for rhodanese /cds=(34,924) /gb=X5  
 38076\_at Cluster Incl. X69907:H.sapiens gene for mitochondrial ATP synthase c su

- 38464\_at Cluster Incl. X87237:H.sapiens mRNA for processing a-glucosidase I /cds  
 39141\_at Cluster Incl. AF027302:Homo sapiens TNF-alpha stimulated ABC protein (A  
 39876\_at Cluster Incl. AL035252:Human DNA sequence from clone 738P15 on chromoso  
 40609\_at Cluster Incl. AI475497:tj92g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 5 40635\_at Cluster Incl. AF089750:Homo sapiens flotillin-1 mRNA, complete cds /cds  
 40925\_at Cluster Incl. AA554945:ni36d11.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41258\_at Cluster Incl. N29665:yw73e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 41804\_at Cluster Incl. W80358:zh49a07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 41812\_s\_at Cluster Incl. AB020713:Homo sapiens mRNA for KIAA0906 protein, partia  
 10 1706\_at U01337 /FEATURE=expanded\_cds /DEFINITION=HSU01337 Human Ser/Thr protein  
 720\_at D87673 /FEATURE= /DEFINITION=D87673 Homo sapiens mRNA for heat shock tran

## METAGENE 342 :

- 15 33586\_at Cluster Incl. AF070620:Homo sapiens clone 24694 mRNA sequence /cds=UNKN  
 34289\_f\_at Cluster Incl. D50920:Human mRNA for KIAA0130 gene, complete cds /cds=  
 34290\_f\_at Cluster Incl. W29091:56c5 Homo sapiens cDNA /gb=W29091 /gi=1309057 /u  
 39042\_at Cluster Incl. X05615:Human mRNA for thyroglobulin /cds=(41,8344) /gb=X0  
 40787\_at Cluster Incl. U90911:Human clone 23652 mRNA sequence /cds=UNKNOWN  
 20 /gb=U  
 32195\_at Cluster Incl. AL049450:Homo sapiens mRNA; cDNA DKFZp586B1922 (from  
 clon  
 35846\_at Cluster Incl. M24899:Human triiodothyronine (ear7) mRNA, complete cds /  
 38437\_at Cluster Incl. X80199:H.sapiens MLN51 mRNA /cds=(233,1837) /gb=X80199 /g  
 25 39155\_at Cluster Incl. D67025:Homo sapiens mRNA for proteasome subunit p58, comp  
 616\_s\_at M24748 /FEATURE=cds#2 /DEFINITION=HUMTHRA1A Human thyroid  
 hormone recep

## METAGENE 343 :

- 30 32389\_at Cluster Incl. W25892:17b9 Homo sapiens cDNA /gb=W25892 /gi=1306222 /ug=  
 38612\_at Cluster Incl. M69023:Human globin gene /cds=UNKNOWN /gb=M69023  
 /gi=1831

## 35 METAGENE 344 :

- 31426\_at Cluster Incl. U34806:Human G protein-coupled receptor (GPR15) gene, com  
 31495\_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, complete  
 31554\_at Cluster Incl. X55019:H.sapiens mRNA for acetylcholine receptor delta su

	31621_s_at	Cluster Incl. M36860:Human elastin mRNA, complete cds /cds=(49,2241)
	31626_i_at	Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp
	31740_s_at	Cluster Incl. AB008913:Homo sapiens mRNA for Pax-4, complete cds /cds
	31745_at	Cluster Incl. AF007194:Homo sapiens mucin (MUC3) mRNA, partial cds /cds
5	31975_at	Cluster Incl. X55503:H.sapiens pseudogene for metallothionein and AG/CT
	31993_f_at	Cluster Incl. U80764:Human EST clone 122887 mariner transposon Hsmar1
	32397_r_at	Cluster Incl. AA079018:zm94e12.s1 Homo sapiens cDNA, 3 end /clone=IM
	32468_f_at	Cluster Incl. D90278:Human CGM1b mRNA for CD66d /cds=(61,594) /gb=D90
	33011_at	Cluster Incl. Y10148:H.sapiens mRNA for NTR2 receptor /cds=(36,1268) /g
10	33027_at	Cluster Incl. W27906:39d11 Homo sapiens cDNA /gb=W27906 /gi=1307854 /ug
	33071_at	Cluster Incl. Z98744:histone H2B /cds=(5,382) /gb=Z98744 /gi=3080457 /u
	33080_s_at	Cluster Incl. AB007943:Homo sapiens mRNA for KIAA0474 protein, comple
	33090_at	Cluster Incl. AJ007292:Homo sapiens mRNA for ephrin-A2 /cds=(15,656) /g
	33622_at	Cluster Incl. Z26308:H.sapiens isoform 1 gene for L-type calcium channe
15	33640_at	Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /cds
	34104_i_at	Cluster Incl. AI147237:qb36f02.x1 Homo sapiens cDNA, 3 end /clone=IM
	34108_g_at	Cluster Incl. AJ005577:Homo sapiens pfkfb2 gene, exons 1 to 15 /cds=(
	34131_at	Cluster Incl. AB026891:Homo sapiens mRNA for cystine/glutamate transpor
	34167_s_at	Cluster Incl. AA984230:am82g03.s1 Homo sapiens cDNA, 3 end /clone=IM
20	35534_at	Cluster Incl. AB011086:Homo sapiens mRNA for KIAA0514 protein, complete
	32282_at	Cluster Incl. U66047:Human clone Z3-1 placenta expressed mRNA from chro
	33558_at	Cluster Incl. Y09445:H.sapiens mRNA for transcription factor TBX5 /cds=
	34005_at	Cluster Incl. X73079:Homo sapiens encoding Polymeric immunoglobulin rec
	34949_at	Cluster Incl. AB028971:Homo sapiens mRNA for KIAA1048 protein, complete
25	34963_at	Cluster Incl. AA557228:nl75c09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	35379_at	Cluster Incl. X54412:Human mRNA for alpha1(IX) collagen (long form) /cd
	35492_at	Cluster Incl. AC004523:Homo sapiens chromosome 19, cosmid F22329 /cds=(
	35864_at	Cluster Incl. Y00970:Human mRNA for acrosin (EC 3.4.21.10) /cds=(16,128
	35882_at	Cluster Incl. AI075181:oy96b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	35910_f_at	Cluster Incl. AJ003147:Homo sapiens complete genomic sequence between
	37061_at	Cluster Incl. U29615:Human chitotriosidase precursor mRNA, complete cds
	37095_r_at	Cluster Incl. M84562:Human formyl peptide receptor-like receptor (FPR
	37140_s_at	Cluster Incl. AF061193:Homo sapiens ectodysplasin-A isoform EDA-E (ED
	37151_at	Cluster Incl. AF052120:Homo sapiens clone 23836 mRNA sequence /cds=UNKN
35	37418_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNOWN
	37429_g_at	Cluster Incl. AI140857:qa83c11.s1 Homo sapiens cDNA, 3 end /clone=IM
	37517_at	Cluster Incl. AB028962:Homo sapiens mRNA for KIAA1039 protein, partial
	37796_at	Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(0,24
	38162_at	Cluster Incl. AF007156:Homo sapiens clone 23617 unknown mRNA, partial c

	38193_at	Cluster Incl. X96754:H.sapiens gene encoding kappa light chain constant
	38538_at	Cluster Incl. AB014602:Homo sapiens mRNA for KIAA0702 protein, complete
	38607_at	Cluster Incl. AF027204:Homo sapiens putative tetraspan transmembrane pr
	39609_at	Cluster Incl. U80457:Human transcription factor SIM2 short form mRNA, c
5	40376_at	Cluster Incl. X83573:Homo sapiens ARSE gene, complete CDS /cds=(67,1836
	40651_s_at	Cluster Incl. AF039523:untitled /cds=(0,1334) /gb=AF039523 /gi=282812
	41034_s_at	Cluster Incl. U92315:Homo sapiens hydroxysteroid sulfotransferase SUL
	31810_g_at	Cluster Incl. Z21488:H.sapiens contactin mRNA /cds=(121,3177) /gb=Z21
	31819_at	Cluster Incl. AI796281:wh49a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
10	32104_i_at	Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei
	32701_at	Cluster Incl. U51269:Human armadillo repeat protein mRNA, complete cds
	32739_at	Cluster Incl. AA001791:zh86c04.r1 Homo-sapiens cDNA, 5 end /clone=IMAG
	35201_at	Cluster Incl. X16135:Human mRNA for novel heterogeneous nuclear RNP pro
	36557_at	Cluster Incl. M92303:Human voltage-dependent calcium channel beta-1 sub
15	37285_at	Cluster Incl. X60364:Human ALAS mRNA for 5-aminolevulinate synthase pre
	37633_s_at	Cluster Incl. J04129:Human placental protein 14 (PP14) mRNA, complete
	37905_r_at	Cluster Incl. X66436:H.sapiens hsr1 mRNA (partial) /cds=UNKNOWN /gb=X
	38297_at	Cluster Incl. X98654:H.sapiens mRNA for DRES9 protein /cds=(189,3923) /
	39335_at	Cluster Incl. AI074025:oy66g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
20	32220_at	Cluster Incl. D63874:Human mRNA for HMG-1, complete cds /cds=(76,723) /
	34351_at	Cluster Incl. AL022394:dJ511B24.2 (1-Phosphatidylinositol-4,5-Bisphosph
	34405_at	Cluster Incl. U47927:Human isopeptidase T (ISOT) mRNA, complete cds /cd
	34846_at	Cluster Incl. AF112472:Homo sapiens calcium/calmodulin-dependent protei
	38822_at	Cluster Incl. AB011420:Homo sapiens mRNA for DRAK1, complete cds /cds=(
25	39451_i_at	Cluster Incl. AF050145:Homo sapiens iduronate-2-sulfatase (IDS) mRNA,
	39459_at	Cluster Incl. W28765:51d2 Homo sapiens cDNA /gb=W28765 /gi=1308713 /ug=
	39474_s_at	Cluster Incl. AF045800:Homo sapiens gremlin mRNA, complete cds /cds=(
	39490_f_at	Cluster Incl. W26381:29b11 Homo sapiens cDNA /gb=W26381 /gi=1307098 /
	39500_s_at	Cluster Incl. AL049299:Homo sapiens mRNA; cDNA DKFZp564P233 (from clo
30	39508_at	Cluster Incl. AI201607:qb81b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40904_at	Cluster Incl. AI857673:wk96c02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41001_at	Cluster Incl. AB023202:Homo sapiens mRNA for KIAA0985 protein, complete
	41286_at	Cluster Incl. X77753:H.sapiens TROP-2 gene /cds=(615,1586) /gb=X77753 /
	41799_at	Cluster Incl. W28595:48h8 Homo sapiens cDNA /gb=W28595 /gi=1308543 /ug=
35	32525_r_at	Cluster Incl. W29012:55a6 Homo sapiens cDNA /gb=W29012 /gi=1308969 /u
	32540_at	Cluster Incl. AI762547:wh92e05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	1967_f_at	U18334 /FEATURE=cds /DEFINITION=HSUNOSIIC1 Human nitric oxide
	synthase	
	1804_at	X07730 /FEATURE= /DEFINITION=HSPSA Human mRNA for prostate specific anti

- 1432\_s\_at D16105 /FEATURE= /DEFINITION=HUMLTCLP2 Human mRNA for leukocyte tyrosi
- 1296\_at D83542 /FEATURE= /DEFINITION=HUMC15A Homo sapiens mRNA for cadherin-15,
- 1089\_i\_at M64936 /FEATURE= /DEFINITION=HUMRIRT Homo sapiens retinoic acid-
- 5 induci
- 970\_r\_atX98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin
- 916\_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens tyrosine phospho
- 870\_f\_atM93311 /FEATURE=cds /DEFINITION=HUMMETIII Human metallothionein-III gen
- 10 726\_f\_atChorionic Somatomammotropin Hormone Cs-5
- 259\_s\_at M16441 /FEATURE=cds#2 /DEFINITION=HUMTNFAB Human tumor necrosis factor
- METAGENE 345 :
- 15
- 35710\_s\_at Cluster Incl. U95006:Human D9 splice variant A mRNA, complete cds /cd
- 38655\_at Cluster Incl. AI525633:PT1.3\_04\_A08.r Homo sapiens cDNA, 5 end /clone
- 38988\_at Cluster Incl. AJ007042:Homo sapiens mRNA for TRX5 protein /cds=(762,485
- 40873\_at Cluster Incl. D86963:Human mRNA for KIAA0208 gene, complete cds /cds=(1
- 20 35800\_at Cluster Incl. D63391:Human mRNA for platelet activating factor acetylhy
- 40891\_f\_at Cluster Incl. X92896:H.sapiens mRNA for ITBA2 protein /cds=(10,327) /
- 1132\_s\_at L12060 /FEATURE=mRNA /DEFINITION=HUMRARG7A Homo sapiens retinoic acid
- 25 METAGENE 346 :
- 35414\_s\_at Cluster Incl. U77914:Human soluble protein Jagged mRNA, partial cds /
- 36780\_at Cluster Incl. M25915:Human complement cytolysis inhibitor (CLI) mRNA, c
- 37259\_at Cluster Incl. Z81326:H.sapiens mRNA for protease inhibitor 12 (PI12; ne
- 30 37958\_at Cluster Incl. AL049257:Homo sapiens mRNA; cDNA DKFZp564E153 (from clone
- 36690\_at Cluster Incl. M10901:Human glucocorticoid receptor alpha mRNA, complete
- 38101\_at Cluster Incl. AB011151:Homo sapiens mRNA for KIAA0579 protein, partial
- 38465\_at Cluster Incl. M37721:Human peptidylglycine alpha-amidating monooxygenas
- 35 38800\_at Cluster Incl. D45352:HUMHG17416 Homo sapiens cDNA /gb=D45352 /gi=113667
- 40202\_at Cluster Incl. D31716:Human mRNA for GC box binding protein, complete cds
- 41830\_at Cluster Incl. AB007963:Homo sapiens mRNA for KIAA0494 protein, complete
- 32526\_at Cluster Incl. AA149644:z139d08.s1 Homo sapiens cDNA, 3 end /clone=IMAG

1507\_s\_at D11151 /FEATURE=\_expandCDS /DEFINITION=HUMETAR8 Human DNA for endothel

METAGENE 347 :

5

33647\_s\_at Cluster Incl. AA224768:nc12d09.r1 Homo sapiens cDNA /clone=IMAGE-1007

35934\_at Cluster Incl. L19161:Human translation initiation factor eIF-2 gamma su

37507\_i\_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250

38230\_at Cluster Incl. U81984:Human endothelial PAS domain protein 1 (EPAS1) mRN

10 38881\_i\_at Cluster Incl. AF096870:Homo sapiens estrogen-responsive B box protein

32038\_s\_at Cluster Incl. AI739308:wi30c12.x1 Homo sapiens cDNA, 3 end /clone=IM

40100\_at Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP40)

40845\_at Cluster Incl. U10324:Human nuclear factor NF90 mRNA, complete cds /cds=

33818\_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(

15 34374\_g\_at Cluster Incl. Z97054:Human DNA sequence from PAC 339A18 on chromosome

35287\_at Cluster Incl. AF046888:Homo sapiens proliferation inducing ligand APRIL

37024\_at Cluster Incl. AF010312:Homo sapiens Pig7 (PIG7) mRNA, complete cds /cds

38393\_at Cluster Incl. D87434:Human mRNA for KIAA0247 gene, complete cds /cds=(2

38401\_s\_at Cluster Incl. W27594:34h4 Homo sapiens cDNA /gb=W27594 /gi=1307542 /u

20 2025\_s\_at M80261 /FEATURE= /DEFINITION=HUMAPE Human apurinic endonuclease (APE)

1950\_s\_at AB004922 /FEATURE=cds /DEFINITION=AB004922S1 Homo sapiens gene for Sma

1936\_s\_at Proto-Oncogene C-Myc, Alt. Splice 3, Orf 114

25 1272\_at L19161 /FEATURE= /DEFINITION=HUMIEF2G Human translation initiation facto

1244\_at U18671 /FEATURE=mRNA /DEFINITION=HSU18671 Human Stat2 gene, complete cds

1220\_g\_at X15949 /FEATURE=cds /DEFINITION=HSIRF2 Human mRNA for interferon regul

1199\_at D13748 /FEATURE= /DEFINITION=HUM4AI Human mRNA for eukaryotic initiation

30 898\_s\_at L37360 /FEATURE= /DEFINITION=HUMEFL2 Homo sapiens (clone hEHK1-L) EHK1

612\_s\_at M19650 /FEATURE= /DEFINITION=HUMCNPDEA Human 2,3 -cyclic nucleotide 3

35 463\_g\_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3 mRNA, c

421\_at X66397 /FEATURE=cds /DEFINITION=HSTPRM H.sapiens tpr mRNA

METAGENE 348 :

	33602_at	Cluster Incl. AJ000479:Homo sapiens mRNA for putative G-protein coupled
	33613_at	Cluster Incl. AA806239:oc21e02.s1 Homo sapiens cDNA /clone=IMAGE-134153
	32953_at	Cluster Incl. X04391:Human mRNA for lymphocyte glycoprotein T1/Leu-1 /c
	32967_at	Cluster Incl. AF057557:Homo sapiens anti-Fas-induced apoptosis (TOSO) m
5	32977_at	Cluster Incl. U49187:Human placenta (Diff48) mRNA, complete cds /cds=(4
	34959_at	Cluster Incl. M15059:Human Fc-epsilon receptor (IgE receptor) mRNA, com
	34960_g_at	Cluster Incl. M15059:Human Fc-epsilon receptor (IgE receptor) mRNA, c
	35883_at	Cluster Incl. X66079:H.sapiens Spi-B mRNA /cds=(5,793) /gb=X66079 /gi=3
	37411_at	Cluster Incl. D30758:Human mRNA for KIAA0050 gene, complete cds /cds=(1
10	37417_at	Cluster Incl. M36542:Human lymphoid-specific transcription factor mRNA,
	37419_g_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNO
	39318_at	Cluster Incl. X82240:H.sapiens mRNA for Tcell leukemia/lymphoma 1 /cds=
	40396_at	Cluster Incl. U49395:Human ionotropic ATP receptor P2X5a mRNA, complete
	40700_at	Cluster Incl. U36500:Human lymphoid-specific SP100 homolog (LYSP100-B)
15	40723_at	Cluster Incl. AJ010059:Homo sapiens SIT protein /cds=(87,677) /gb=AJ010
	40729_s_at	Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /c
	40749_at	Cluster Incl. X07203:Human mRNA for CD20 receptor (S7) /cds=(90,983) /g
	32649_at	Cluster Incl. X59871:Human TCF-1 mRNA for T cell factor 1 (splice form
	32660_at	Cluster Incl. AB002340:Human mRNA for KIAA0342 gene, complete cds /cds=
20	32716_at	Cluster Incl. X62535:H.sapiens mRNA for diacylglycerol kinase /cds=(103
	36874_at	Cluster Incl. M26004:Human CR2/CD21/C3d/Epstein-Barr virus receptor mRN
	37272_at	Cluster Incl. X57206:H.sapiens mRNA for 1D-myo-inositol-trisphosphate 3
	37988_at	Cluster Incl. M89957:Human immunoglobulin superfamily member B cell rec
	38269_at	Cluster Incl. AL050147:Homo sapiens mRNA; cDNA DKFZp586E0820 (from
25	clon	
	38359_at	Cluster Incl. Y12336:H.sapiens mRNA for F25B3.3 kinase like protein fro
	38361_g_at	Cluster Incl. AI688812:wd41c03.x1 Homo sapiens cDNA, 3 end /clone=IM
	40159_r_at	Cluster Incl. M55067:Human 47-kD autosomal chronic granulomatous dise
	40420_at	Cluster Incl. AB015718:Homo sapiens lok mRNA for protein kinase, comple
30	32224_at	Cluster Incl. AB018312:Homo sapiens mRNA for KIAA0769 protein, complete
	34871_at	Cluster Incl. W30677:zb75h10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	35310_at	Cluster Incl. D45288:HUMHG2121 Homo sapiens cDNA /gb=D45288
	/gi=1136684	
	1768_s_at	X59932 /FEATURE=mRNA /DEFINITION=HSCSRCKIN Human mRNA for C-
35	SRC-kinase	
	1336_s_at	X06318 /FEATURE=cds /DEFINITION=HSPKCB1A Human mRNA for protein
	kinase	
	1097_s_at	L31584 /FEATURE=exon /DEFINITION=HUMEBI103 Human G protein-coupled
	rec	

- 1096\_g\_at M28170 /FEATURE= /DEFINITION=HUMCSPC Human cell surface protein CD19 (
- 1085\_s\_at M37238 /FEATURE=mRNA /DEFINITION=HUMPLC Human phospholipase C mRNA, co
- 5 1004\_at X68149 /FEATURE=exon#2 /DEFINITION=HSBLR1A Homo sapiens BLR1 gene for Bu  
854\_at S76617 /FEATURE= /DEFINITION=S76617 blk=protein tyrosine kinase [human, B  
848\_at U19261 /FEATURE= /DEFINITION=HSU19261 Homo sapiens Epstein-Barr virus-ind  
619\_s\_at M27394 /FEATURE=cds /DEFINITION=HUMB1LYM Human B-lymphocyte cell-surfac
- 10 358\_at AF000545 /FEATURE=cds /DEFINITION=HSAF000545 Homo sapiens putative purine  
253\_g\_at L42324 /FEATURE=cds /DEFINITION=HUMFRCG Homo sapiens (clone GPCR W) G p  
138\_at U66464 /FEATURE= /DEFINITION=HSU66464 Human hematopoietic progenitor kina
- 15 METAGENE 349 :
- 32968\_s\_at Cluster Incl. AL050253:H.sapiens mRNA similar to D29763 mouse mRNA fo  
33947\_at Cluster Incl. U18550:Human GPR3 G protein-coupled receptor gene, comple  
34495\_r\_at Cluster Incl. AJ011733:Homo sapiens mRNA for synaptogyrin 4 protein /
- 20 37514\_s\_at Cluster Incl. AB008047:Homo sapiens sMAP mRNA for small MBL-associate  
39220\_at Cluster Incl. T92248:ye18d03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
36640\_at Cluster Incl. X66141:H.sapiens mRNA for cardiac ventricular myosin ligh  
39190\_s\_at Cluster Incl. AC002126:Homo sapiens DNA from chromosome 19-cosmids R3  
33105\_at Cluster Incl. W28790:54g3 Homo sapiens cDNA /gb=W28790 /gi=1308945 /ug=
- 25 1207\_at X66365 /FEATURE=cds /DEFINITION=HSSTHPKF H.sapiens mRNA PLSTIRE for seri
- METAGENE 350 :
- 32062\_at Cluster Incl. D25216:Human mRNA for KIAA0014 gene, complete cds /cds=(1  
30 36555\_at Cluster Incl. AF044311:Homo sapiens gamma-synuclein gene, complete cds  
39878\_at Cluster Incl. AI524125:th09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- METAGENE 351 :
- 35 32001\_s\_at Cluster Incl. M80482:Human subtilisin-like protein (PACE4) mRNA, comp  
35055\_at Cluster Incl. X53281:H.sapiens BTF3b mRNA /cds=(239,727) /gb=X53281 /gi  
34042\_at Cluster Incl. U96769:Homo sapiens chondroadherin gene, 5flanking region  
35437\_at Cluster Incl. M88461:Human neuropeptide Y peptide YY receptor mRNA, com  
37486\_f\_at Cluster Incl. U68385:Human Meis1-related protein 2 (MRG2), mRNA, part



- 37811\_at Cluster Incl. AF042792:Homo sapiens alpha 2 delta calcium channel subun  
38167\_at Cluster Incl. AB020704:Homo sapiens mRNA for KIAA0897 protein, partial  
38954\_at Cluster Incl. Y18423:Homo sapiens VIP2R gene, exons 1-2 (and joined CDS  
39583\_at Cluster Incl. AF030435:Homo sapiens glioma amplified on chromosome 1 pr  
**5** 39992\_at Cluster Incl. AF030302:Homo sapiens p45-BWR1A (BWR1-A) mRNA, complete  
c  
40016\_g\_at Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds  
41655\_at Cluster Incl. AL034399:dA191P20.2 (novel Fibronectin type III domain co  
35175\_f\_at Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /  
**10** 35216\_at Cluster Incl. X79440:H.sapiens mRNA for NADP+-dependent malic enzyme /c  
36499\_at Cluster Incl. D87469:Human mRNA for KIAA0279 gene, partial cds /cds=(0,  
36859\_at Cluster Incl. AF067724:Homo sapiens nm23-H5 mRNA, complete cds /cds=(48  
38688\_at Cluster Incl. AB007930:Homo sapiens mRNA for KIAA0461 peroteine, partial  
39014\_at Cluster Incl. D84239:Homo sapiens mRNA for IgG Fc binding protein, comp  
**15** 39378\_at Cluster Incl. U17999:HSU17999 Homo sapiens cDNA /clone=B49B32B27 /gb=U1  
39421\_at Cluster Incl. D43969:Human AML1 mRNA for AML1c protein (alternatively s  
39781\_at Cluster Incl. U20982:Human insulin-like growth factor binding protein-4  
33452\_at Cluster Incl. M15518:Human tissue-type plasminogen activator (t-PA) mRN  
33825\_at Cluster Incl. X68733:H.sapiens gene for alpha1-antichymotrypsin, exon 1  
**20** 34408\_at Cluster Incl. AF004222:Homo sapiens RTN2-A (RTN2) mRNA, complete cds /c  
35778\_at Cluster Incl. AB011103:Homo sapiens mRNA for KIAA0531 protein, complete  
36179\_at Cluster Incl. U12779:Human MAP kinase activated protein kinase 2 mRNA,  
40986\_s\_at Cluster Incl. AA058852:zf65a11.s1 Homo sapiens cDNA, 3 end /clone=IM  
41328\_s\_at Cluster Incl. AL096717:Homo sapiens mRNA; cDNA DKFZp564P0662 (from cl  
**25** 1737\_s\_at M62403 /FEATURE= /DEFINITION=HUMIGFBP5 Human insulin-like growth  
facto  
1241\_at U14603 /FEATURE= /DEFINITION=HSU14603 Human protein-tyrosine phosphatase  
943\_at D43968 /FEATURE= /DEFINITION=HUMAML1BA Human AML1 mRNA for AML1b  
protein  
**30** 573\_at M86826 /FEATURE= /DEFINITION=HUMIGFACID Human IGF binding protein  
complex

## METAGENE 352 :

- 35** 37222\_at Cluster Incl. X79389:H.sapiens GSTT1 mRNA /cds=(0,722) /gb=X79389 /gi=5  
35836\_at Cluster Incl. AB019408:Homo sapiens mRNA, expressed in fibroblasts of p  
375\_at Z84718 /FEATURE=mRNA#1 /DEFINITION=HS322B1 Human DNA sequence from  
clone

## METAGENE 353 :

- 34970\_r\_at Cluster Incl. AI655458:tt13a03.x1 Homo sapiens cDNA, 3' end /clone=IM  
 37779\_at Cluster Incl. Y08134:H.sapiens mRNA for ASM-like phosphodiesterase 3b /  
**5** 31816\_at Cluster Incl. X55079:Human lysosomal alpha-glucosidase gene exon 1 /cds  
 33758\_f\_at Cluster Incl. U25988:Human pregnancy-specific glycoprotein 13 (PSG13)  
 33879\_at Cluster Incl. U79528:Human SR31747 binding protein 1 mRNA, complete cds  
 37761\_at Cluster Incl. AB015020:Homo sapiens mRNA for BAP2-beta protein, complet  
 38029\_at Cluster Incl. J02939:Human membrane glycoprotein 4F2 antigen heavy chai  
**10** 38429\_at Cluster Incl. U29344:Human breast carcinoma fatty acid synthase mRNA, c  
 39185\_at Cluster Incl. AF091083:Homo sapiens clone 628 unknown mRNA, complete se  
 1813\_at Epidermal Growth Factor Receptor-Related Protein

## METAGENE 354 :

- 15**  
 38156\_at Cluster Incl. U78313:Human myogenic repressor I-mf (MDFI) mRNA, complet  
 34277\_at Cluster Incl. AB018195:Homo sapiens ca xi mRNA for carbonic anhydrase-r  
 38286\_at Cluster Incl. AB028994:Homo sapiens mRNA for KIAA1071 protein, partial  
 39417\_at Cluster Incl. AB028951:Homo sapiens mRNA for KIAA1028 protein, partial

**20**

## METAGENE 355 :

- 36694\_at Cluster Incl. AF043472:Homo sapiens Shab-related delayed-rectifier K<sup>+</sup> c  
 37422\_at Cluster Incl. S71018:cyclophilin C [human, kidney, mRNA, 883 nt] /cds=(  
**25** 38228\_g\_at Cluster Incl. AB006909:Homo sapiens mRNA for A-type microphthalmia as  
 33787\_at Cluster Incl. AB011109:Homo sapiens mRNA for KIAA0537 protein, complete  
 36497\_at Cluster Incl. W28438:47g10 Homo sapiens cDNA /gb=W28438 /gi=1308449 /ug  
 36550\_at Cluster Incl. AL049538:Human DNA sequence from clone 1175I6 on chromoso  
 38653\_at Cluster Incl. D11428:Homo sapiens mRNA for PMP-22(PAS-II/SR13/Gas-3), c  
**30** 39754\_at Cluster Incl. X53002:Human mRNA for integrin beta-5 subunit /cds=(336,2  
 33371\_s\_at Cluster Incl. U59877:Human low-Mr GTP-binding protein (RAB31) mRNA, c  
 41534\_at Cluster Incl. AB006755:Homo sapiens mRNA for PCDH7 (BH-Pcdh)a, complete  
 2058\_s\_at M35011 /FEATURE= /DEFINITION=HUMIBSUB Human integrin beta-5 subunit  
 mR  
**35** 719\_g\_at D87258 /FEATURE= /DEFINITION=D87258 Homo sapiens mRNA for serin  
 proteas  
 273\_g\_at K02054 /FEATURE=mRNA /DEFINITION=HUMGRP5E Human gastrin-  
 releasing pepti

## METAGENE 356 :

- 39605\_at Cluster Incl. X74142:H.sapiens HBF-1 mRNA for transcription factor /cds  
 32092\_at Cluster Incl. AB007937:Homo sapiens mRNA for KIAA0468 protein, complete  
 5 32648\_at Cluster Incl. U15979:Human (dlk) mRNA, complete cds /cds=(173,1321) /gb  
 33795\_at Cluster Incl. AB006630:Homo sapiens mRNA for KIAA0292 gene, partial cds  
 34720\_at Cluster Incl. U85193:Human nuclear factor I-B2 (NFIB2) mRNA, complete c  
 35716\_at Cluster Incl. AB008164:Homo sapiens mRNA for ST1C2, complete cds /cds=(  
 36899\_at Cluster Incl. M97287:Human MAR/SAR DNA binding protein (SATB1) mRNA,  
 10 co  
 38003\_s\_at Cluster Incl. U94905:Human diacylglycerol kinase zeta mRNA, alternati  
 40054\_at Cluster Incl. D43949:Human mRNA for KIAA0082 gene, partial cds /cds=(0,  
 40141\_at Cluster Incl. AB014595:Homo sapiens mRNA for KIAA0695 protein, complete  
 37294\_at Cluster Incl. X61123:Human BTG1 mRNA /cds=(308,823) /gb=X61123 /gi=2950  
 15 1364\_at M93426 /FEATURE= /DEFINITION=HUMPTPRZ Human protein tyrosine phosphatase  
 174\_s\_at U61167 /FEATURE= /DEFINITION=HSU61167 Human SH3 domain-containing  
 prote

## METAGENE 357 :

- 20  
 35177\_at Cluster Incl. AB018268:Homo sapiens mRNA for KIAA0725 protein, partial  
 39017\_at Cluster Incl. AJ238094:Homo sapiens mRNA for Lsm1 protein /cds=(188,589  
 40424\_at Cluster Incl. AI017935:ou43h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35804\_at Cluster Incl. AB022785:Homo sapiens ASH2L gene, complete cds, similar t  
 25 2056\_at M34641 /FEATURE= /DEFINITION=HUMFGF1A Human fibroblast growth factor (FG  
 2057\_g\_at M34641 /FEATURE= /DEFINITION=HUMFGF1A Human fibroblast growth  
 factor (  
 424\_s\_at X66945 /FEATURE=cds /DEFINITION=HSNSAMTK H.sapiens N-sam mRNA  
 for fibro

30

## METAGENE 358 :

- 37498\_at Cluster Incl. AL050404:Human DNA sequence from clone 955M13 on chromoso  
 39302\_at Cluster Incl. X56807:Human DSC2 mRNA for desmocollins type 2a and 2b /c  
 35 39625\_at Cluster Incl. AL050204:Homo sapiens mRNA; cDNA DKFZp586F1223 (from  
 clon  
 31792\_at Cluster Incl. M20560:Human lipocortin-III mRNA, complete cds /cds=(46,1  
 36515\_at Cluster Incl. AJ238764:Homo sapiens mRNA for UDP-N-acetylglucosamine-2-  
 36873\_at Cluster Incl. D16532:Human gene for very low density lipoprotein recept

	37225_at	Cluster Incl. D79994:Human mRNA for KIAA0172 gene, partial cds /cds=(0,
	37544_at	Cluster Incl. X64318:H.sapiens E4BP4 gene /cds=(213,1601) /gb=X64318 /g
	40423_at	Cluster Incl. AB020710:Homo sapiens mRNA for KIAA0903 protein, partial
	34850_at	Cluster Incl. AB017644:Homo sapiens mRNA for ubiquitin-conjugating enzy
5	35335_at	Cluster Incl. AB014519:Homo sapiens mRNA for KIAA0619 protein, complete
	35342_at	Cluster Incl. AF052159:Homo sapiens clone 24416 mRNA sequence /cds=UNKN
	35803_at	Cluster Incl. S82240:RhoE=26 kda GTPase homolog [human, HeLa cell line,
	35816_at	Cluster Incl. U46692:Human cystatin B gene, complete cds /cds=(96,392)
	37047_at	Cluster Incl. AF002020:Homo sapiens Niemann-Pick C disease protein (NPC
10	37327_at	Cluster Incl. X00588:Human mRNA for precursor of epidermal growth facto
	1674_at	M15990 /FEATURE= /DEFINITION=HUMCYES1 Human c-yes-1 mRNA
	408_at	X54489 /FEATURE=mRNA /DEFINITION=HSMGSAG Human gene for melanoma
		growth s
	339_at	AF035752 /FEATURE= /DEFINITION=AF035752 Homo sapiens caveolin-2 mRNA, com
15		
		METAGENE 359 :
	32971_at	Cluster Incl. L27479:Human X123 mRNA, 3 end /cds=(2,739) /gb=L27479 /g
	37860_at	Cluster Incl. AL049942:Homo sapiens mRNA; cDNA DKFZp564F1422 (from
20	clon	
	41018_at	Cluster Incl. AL050015:Homo sapiens mRNA; cDNA DKFZp564O243 (from
	clone	
	41418_at	Cluster Incl. AB020628:Homo sapiens mRNA for KIAA0821 protein, complete
	33698_at	Cluster Incl. AB028975:Homo sapiens mRNA for KIAA1052 protein, complete
25	34178_at	Cluster Incl. AI884738:wl84b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35675_at	Cluster Incl. AF037261:Homo sapiens SH3-containing adaptor molecule-1 m
	36084_at	Cluster Incl. D38548:Human mRNA for KIAA0076 gene, complete cds /cds=(8
	37192_at	Cluster Incl. U28389:Human dematin 52 kDa subunit mRNA, complete cds /c
	37563_at	Cluster Incl. AB007871:Homo sapiens KIAA0411 mRNA, complete cds /cds=(0
30	38621_at	Cluster Incl. AJ012008:Homo sapiens genes encoding RNCC protein, DDAH p
	38628_at	Cluster Incl. AF029777:Homo sapiens histone acetyltransferase (GCN5) mR
	40149_at	Cluster Incl. AL049924:Homo sapiens mRNA; cDNA DKFZp547G1110 (from
	clon	
	40446_at	Cluster Incl. AL021366:cICK0721Q.4.1 (PHD finger protein 2) (isoform 2)
35	40829_at	Cluster Incl. AB028960:Homo sapiens mRNA for KIAA1037 protein, partial
	40837_at	Cluster Incl. M99436:Human transducin-like enhancer protein (TLE2) mRNA
	33822_at	Cluster Incl. Z11584:H.sapiens mRNA for NuMA protein /cds=(258,6563) /g
	33901_at	Cluster Incl. U81375:Human placental equilibrative nucleoside transport
	36129_at	Cluster Incl. AB007857:Homo sapiens KIAA0397 mRNA, complete cds /cds=(5

- 38109\_at Cluster Incl. AF020544:Homo sapiens inactive palmitoyl-protein thioeste  
 38398\_at Cluster Incl. AB002356:Human mRNA for KIAA0358 gene, complete cds /cds=  
 38810\_at Cluster Incl. AF039241:AF039241 Homo sapiens cDNA /clone=11-67js /gb=AF  
 39103\_s\_at Cluster Incl. H98552:yv97h03.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 5 39164\_at Cluster Incl. AF099149:Homo sapiens TRIAD1 type I mRNA, complete cds /c  
 39866\_at Cluster Incl. AB028986:Homo sapiens mRNA for KIAA1063 protein, partial  
 40219\_at Cluster Incl. AI796944:we25b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40997\_at Cluster Incl. AI660963:wf20e04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1047\_s\_at U37055 /FEATURE=mRNA /DEFINITION=HSU37055 Human hepatocyte  
 10 growth fact  
 320\_at D83703 /FEATURE= /DEFINITION=D83703 Homo sapiens mRNA for peroxisome asse  
 329\_s\_at Nuclear Mitotic Apparatus Protein 1, Alt. Splice Form 2  
 162\_at U44839 /FEATURE= /DEFINITION=HSU44839 Human putative ubiquitin C-terminal  
 15 METAGENE 360 :  
 32382\_at Cluster Incl. AB015234:Homo sapiens mRNA for uroplakin 1b, complete cds  
 39077\_at Cluster Incl. U41843:Human Dr1-associated corepressor (DRAP1) mRNA, com  
 36587\_at Cluster Incl. Z11692:H.sapiens mRNA for elongation factor 2 /cds=(0,257  
 20 36683\_at Cluster Incl. AI953789:wx69d10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41831\_at Cluster Incl. AF077820:Homo sapiens LDL receptor member LR3 mRNA, compl  
 METAGENE 361 :  
 25 37883\_i\_at Cluster Incl. AI375033:ta66e10.x1 Homo sapiens cDNA, 3 end /clone=IM  
 41680\_at Cluster Incl. AF007170:Homo sapiens DEME-6 mRNA, partial cds /cds=(0,17  
 33263\_at Cluster Incl. X67098:H.sapiens rTS alpha mRNA containing four open read  
 37932\_at Cluster Incl. Y12490:Homo sapiens mRNA for Golgi-associated microtubule  
 39072\_at Cluster Incl. L07648:Human MXI1 mRNA, complete cds /cds=(208,894) /gb=L  
 30 40405\_at Cluster Incl. X70991:H.sapiens MADER mRNA /cds=(0,1427) /gb=X70991 /gi=  
 32154\_at Cluster Incl. M36711:Human sequence-specific DNA-binding protein (AP-2)  
 1629\_s\_at Tyrosine Phosphatase 1, Non-Receptor, Alt. Splice 3  
 654\_at L07648 /FEATURE= /DEFINITION=HUMMXI1A Human MXI1 mRNA, complete cds  
 243\_g\_at M64571 /FEATURE=mRNA /DEFINITION=HUMMAP4 Human microtubule-  
 35 associated p

METAGENE 362 :

- 34151\_at Cluster Incl. AL050284:Homo sapiens mRNA; cDNA DKFZp586M1019 (from  
clon
- 40735\_at Cluster Incl. D16626:Human mRNA for histidase, complete cds /cds=(243,2
- 35169\_at Cluster Incl. AI982638:wt53c06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 5** 36043\_at Cluster Incl. AF070577:Homo sapiens clone 24461 mRNA sequence /cds=UNKN
- 39530\_at Cluster Incl. L35240:Human enigma gene, complete cds /cds=(0,1367) /gb=
- 40926\_at Cluster Incl. U36341:Human Xq28 cosmid, creatine transporter (SLC6A8) g
- 32522\_f\_at Cluster Incl. M20469:Human brain-type clathrin light-chain b mRNA, co
- 33141\_at Cluster Incl. M84472:Human 17-beta-hydroxysteroid dehydrogenase (EDH17B
- 10** 1746\_s\_at Tumor Necrosis Factor Receptor 2 Associated Protein Trap3
- 1587\_at M38258 /FEATURE= /DEFINITION=HUMRARGA Human retinoic acid receptor gamma
- 406\_at X53587 /FEATURE=mRNA /DEFINITION=HSINTB4R Human mRNA for integrin beta 4
- 355\_s\_at D38037 /FEATURE= /DEFINITION=HUMOTK4 Human mRNA for FK506-  
binding prote
- 15**
- METAGENE 363 :
- 34541\_at Cluster Incl. L02867:Homo sapiens 62 kDa paraneoplastic antigen mRNA, 3
- 33714\_at Cluster Incl. Y10043:Homo sapiens mRNA for high mobility group protein
- 20** 39002\_at Cluster Incl. AJ010063:Homo sapiens telethonin gene /cds=(10,513) /gb=A
- 33370\_r\_at Cluster Incl. U60205:Human methyl sterol oxidase (ERG25) mRNA, comple
- 40592\_at Cluster Incl. L13329:Homo sapiens iduronate-2-sulfatase (IDS) gene /cds
- 1901\_s\_at M12036 /FEATURE=cds /DEFINITION=HUMHER2B Human tyrosine kinase-  
type re
- 25** 881\_at M35198 /FEATURE= /DEFINITION=HUMINTB6A Human integrin B-6 mRNA,  
complete
- METAGENE 364 :
- 30** 32314\_g\_at Cluster Incl. M12125:Human fibroblast muscle-type tropomyosin mRNA, c
- 41388\_at Cluster Incl. AF017418:Homo sapiens homeobox protein MEIS2 (MEIS2) mRNA
- 41478\_at Cluster Incl. AL033538:Human DNA sequence from clone 477H23 on chromoso
- 33222\_at Cluster Incl. AB017365:Homo sapiens mRNA for frizzled-7, complete cds /
- 33240\_at Cluster Incl. AB029018:Homo sapiens mRNA for KIAA1095 protein, partial
- 35** 34203\_at Cluster Incl. D17408:Homo sapiens mRNA for calponin, complete cds /cds=
- 34265\_at Cluster Incl. Y00757:Human mRNA for polypeptide 7B2 /cds=(28,663) /gb=Y
- 35698\_at Cluster Incl. Y00318:Human mRNA for complement control protein factor I
- 35703\_at Cluster Incl. X06374:Human mRNA for platelet-derived growth factor PDGF
- 36061\_at Cluster Incl. AF009314:Homo sapiens clone TUA8 Cri-du-chat region mRNA

- 36073\_at Cluster Incl. U35139:Human NECDIN related protein mRNA, complete cds /c  
 36890\_at Cluster Incl. AF001691:Homo sapiens 195 kDa cornified envelope precursor  
 37929\_at Cluster Incl. AB017563:Homo sapiens IGSF4 gene /cds=(0,1328) /gb=AB0175  
 37951\_at Cluster Incl. AF035119:Homo sapiens deleted in liver cancer-1 (DLC-1) m  
**5** 32206\_at Cluster Incl. AB007920:Homo sapiens mRNA for KIAA0451 protein, complete  
 32755\_at Cluster Incl. X13839:Human mRNA for vascular smooth muscle alpha-actin  
 36577\_at Cluster Incl. Z24725:H.sapiens mitogen inducible gene mig-2, complete C  
 39528\_at Cluster Incl. L24564:Human Rad mRNA, complete cds /cds=(123,1049) /gb=L  
 40230\_at Cluster Incl. U91903:Human Fritz mRNA, complete cds /cds=(69,1046) /gb=  
**10** 41273\_at Cluster Incl. AL046940:DKFZp586I0517\_r1 Homo sapiens cDNA, 5 end /clon

## METAGENE 365 :

- 31593\_at Cluster Incl. Z70200:H.sapiens gene for U5 snRNP-specific 200kD protein  
**15** 31597\_r\_at Cluster Incl. L36055:Human 4E-binding protein 1 mRNA, complete cds /c  
 33642\_s\_at Cluster Incl. U17986:Human GABA/noradrenaline transporter mRNA, compl  
 34016\_s\_at Cluster Incl. X78338:Synthetic adenovirus transformed human retina ce  
 35438\_at Cluster Incl. X87852:H.sapiens mRNA for SEX gene /cds=(184,5799) /gb=X8  
 38200\_at Cluster Incl. U11690:Human faciogenital dysplasia (FGD1) mRNA, complete  
**20** 39235\_at Cluster Incl. AC003038:Human DNA from chromosome 19-specific cosmid R30  
 35243\_at Cluster Incl. AA535884:nf90d04.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 37965\_at Cluster Incl. AA181053:zp66g11.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40465\_at Cluster Incl. AF026402:Homo sapiens U5 snRNP 100 kD protein mRNA, compl  
 36987\_at Cluster Incl. M94362:Human lamin B2 (LAMB2) mRNA, partial cds /cds=(0,1  
**25** 37719\_at Cluster Incl. AF070539:Homo sapiens clone 24433 myelodysplasia/myeloid  
 32543\_at Cluster Incl. M84739:Human autoantigen calreticulin mRNA, complete cds  
 32559\_s\_at Cluster Incl. AJ238096:Homo sapiens mRNA for Lsm4 protein /cds=(23,44  
 1979\_s\_at X55504 /FEATURE=cds /DEFINITION=HSP120A H.sapiens mRNA for P120  
 antige  
**30** 1775\_at L24559 /FEATURE= /DEFINITION=HUMDNSPOLA Homo sapiens DNA polymerase  
 alph  
 1781\_at M25269 /FEATURE= /DEFINITION=HUMELK1A Homo sapiens tyrosine kinase (ELK1  
 1752\_at AD000092 /FEATURE=cds#6 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro  
 1462\_s\_at M80397 /FEATURE= /DEFINITION=HUMDNAPOLC Human DNA polymerase  
**35** delta cat  
 1224\_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA PCTAIRE-1 for se  
 1225\_g\_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA  
 PCTAIRE-1 for  
 1100\_at L76191 /FEATURE=mRNA /DEFINITION=HUMI1R Homo sapiens interleukin-1 recep

410\_s\_at X57152 /FEATURE=mRNA#1 /DEFINITION=HCKIIBE Human gene for casein  
kinas

METAGENE 366 :

5

31527\_at Cluster Incl. X17206:Human mRNA for LLRep3 /cds=(240,905) /gb=X17206 /g  
31731\_at Cluster Incl. AF013956:Homo sapiens Polycomb 2 homolog (hPc2) mRNA, com  
39281\_at Cluster Incl. AB002378:Human mRNA for KIAA0380 gene, complete cds /cds=  
33781\_s\_at Cluster Incl. AF075599:Homo sapiens ubiquitin conjugating enzyme 12 (

10

35155\_at Cluster Incl. AC005306:Homo sapiens chromosome 19, cosmid R27216 /cds=(  
36554\_at Cluster Incl. Y15521:Homo sapiens ASMTL gene /cds=(0,1889) /gb=Y15521 /  
37911\_at Cluster Incl. U07158:Human syntaxin mRNA, complete cds /cds=(66,959) /g  
40439\_at Cluster Incl. AF047469:Homo sapiens arsenite translocating ATPase (ASNA

15

40815\_g\_at Cluster Incl. L40586:Homo sapiens iduronate-2-sulphatase (IDS) mRNA,  
35798\_at Cluster Incl. W25936:15b5 Homo sapiens cDNA /gb=W25936 /gi=1306059 /ug=  
36180\_s\_at Cluster Incl. X75346:H.sapiens mRNA for MAP kinase activated protein

36653\_g\_at Cluster Incl. J03824:Human uroporphyrinogen III synthase mRNA, comple  
37048\_at Cluster Incl. U58970:Human putative outer mitochondrial membrane 34 kDa  
37690\_at Cluster Incl. U61263:Human acetolactate synthase homolog mRNA, complete

20

38372\_at Cluster Incl. U66042:Human clone 191B7 placenta expressed mRNA from chr  
38373\_g\_at Cluster Incl. U66042:Human clone 191B7 placenta expressed mRNA from c  
40280\_at Cluster Incl. U72508:Human B7 mRNA, complete cds /cds=(112,1050) /gb=U7  
41308\_at Cluster Incl. U37408:Homo sapiens phosphoprotein CtBP mRNA, complete cd  
2016\_s\_at M64241 /FEATURE= /DEFINITION=HUMQM Human Wilm s tumor-related

25

protein  
1926\_at U48801 /FEATURE= /DEFINITION=HSU48801 Human vascular endothelial growth  
1836\_at D50310 /FEATURE= /DEFINITION=HUMCYI Human mRNA for cyclin I, complete cd  
1764\_s\_at D85131 /FEATURE= /DEFINITION=D85131 Homo sapiens mRNA for Myc-  
associat

30

1158\_s\_at J04046 /FEATURE=mRNA /DEFINITION=HUMCAMA Human calmodulin  
mRNA, comple

922\_at J02902 /FEATURE=mRNA /DEFINITION=HUMP2A Human protein phosphatase 2A regu  
838\_s\_at U45328 /FEATURE= /DEFINITION=HSU45328 Human ubiquitin-conjugating  
enzym

35

605\_at L78833 /FEATURE=exon#36 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7 and  
vatl g

434\_at X03473 /FEATURE=cds /DEFINITION=HSHIS10G Human gene for histone H1(0)

392\_g\_at X89416 /FEATURE=cds /DEFINITION=HSRNAPPP5 H.sapiens mRNA for  
protein ph



318\_at D64142 /FEATURE=mRNA /DEFINITION=D64142 Human mRNA for histone H1x, compl

146\_at U81802 /FEATURE= /DEFINITION=HSU81802 Human PtdIns 4-kinase (PI4Kb) mRNA,

## 5 METAGENE 367 :

36782\_s\_at Cluster Incl. J03242:Human insulin-like growth factor II mRNA, complet

38374\_at Cluster Incl. AF050110:Homo sapiens TGFb inducible early protein and ea

33102\_at Cluster Incl. D67031:Homo sapiens ADDL mRNA for adducin-like protein, c

10 33103\_s\_at Cluster Incl. U37122:Human adducin gamma subunit mRNA, complete cds /

1319\_at X74764 /FEATURE=cds /DEFINITION=HSRPTK H.sapiens mRNA for receptor prote

224\_at S81439 /FEATURE= /DEFINITION=S81439 EGR alpha=early growth response gene

## METAGENE 368 :

## 15

31688\_at Cluster Incl. AF005080:Homo sapiens skin-specific protein (xp5) mRNA, c

35094\_f\_at Cluster Incl. AF025527:Homo sapiens leucocyte immunoglobulin-like rec

34438\_at Cluster Incl. U71364:Human serine proteinase inhibitor (P19) mRNA, comp

37070\_at Cluster Incl. D14720:Homo sapiens gene for peripheral myelin protein ze

20 33744\_at Cluster Incl. AL080150:Homo sapiens mRNA; cDNA DKFZp434D174 (from clone

37922\_at Cluster Incl. L02648:Homo sapiens (clone V6) transcobalamin II (TCN2) m

36148\_at Cluster Incl. U48437:Human amyloid precursor-like protein 1 mRNA, compl

40257\_at Cluster Incl. AI400011:tg85a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG

## 25

## METAGENE 369 :

31364\_i\_at Cluster Incl. W27762:37c6 Homo sapiens cDNA /gb=W27762 /gi=1307710 /u

33943\_at Cluster Incl. L20941:Human ferritin heavy chain mRNA, complete cds /cds

30 33237\_at Cluster Incl. AB018344:Homo sapiens mRNA for KIAA0801 protein, complete

36507\_at Cluster Incl. D30612:Homo sapiens mRNA for repressor protein, partial c

37961\_at Cluster Incl. U90907:Human clone 23907 mRNA sequence /cds=UNKNOWN /gb=U

38712\_at Cluster Incl. AL035291:H.sapiens gene from PACs 125H23 and 105D12 /cds=

35 38969\_at Cluster Incl. AI828168:wk32h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG

35833\_at Cluster Incl. AL080184:Homo sapiens mRNA; cDNA DKFZp434O071 (from clone

38381\_at Cluster Incl. U32315:Human syntaxin 3 mRNA, complete cds /cds=(38,907)

41296\_s\_at Cluster Incl. W27761:37c5 Homo sapiens cDNA /gb=W27761 /gi=1307709 /u

1904\_at D50692 /FEATURE= /DEFINITION=HUMAMY1 Homo sapiens mRNA for c-myc binding

160033\_s\_at NM\_006297 /FEATURE=mRNA /DEFINITION=Homo sapiens X-ray repair comple

5

METAGENE 370 :

- 31508\_at Cluster Incl. S73591:brain-expressed HHCPA78 homolog [human, HL-60 acute  
37416\_at Cluster Incl. Z35227:H.sapiens TTF mRNA for small G protein /cds=(579,1  
10 39297\_at Cluster Incl. U38810:Human mab-21 cell fate-determining protein homolog  
36867\_at Cluster Incl. W03846:za60a02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
38717\_at Cluster Incl. AL050159:Homo sapiens mRNA; cDNA DKFZp586A0522 (from  
clon  
38968\_at Cluster Incl. AB005047:Homo sapiens mRNA for SH3 binding protein, compl  
15 40775\_at Cluster Incl. AL021786:Human DNA sequence from PAC 696H22 on chromosome  
32778\_at Cluster Incl. D26070:Human mRNA for type 1 inositol 1,4,5-trisphosphate  
32779\_s\_at Cluster Incl. U23850:Human inositol 1,4,5 trisphosphate receptor type  
34363\_at Cluster Incl. Z11793:H.sapiens mRNA for selenoprotein P /cds=(36,1181)  
34877\_at Cluster Incl. AL039831:DKFZp434D1112\_s1 Homo sapiens cDNA, 3 end /clon  
20 38737\_at Cluster Incl. X57025:Human IGF-I mRNA for insulin-like growth factor I  
1975\_s\_at X03563 /FEATURE=cds /DEFINITION=HSIGF1G1 Human gene for insulin-like  
g  
1625\_at Insulin-Like Growth Factor Ib  
1527\_s\_at U50527 /FEATURE= /DEFINITION=HSU50527 Human BRCA2 region, mRNA  
25 sequenc  
1501\_at X57025 /FEATURE=mRNA /DEFINITION=HSIGFACI Human IGF-I mRNA for insulin-l  
755\_at D26070 /FEATURE=mRNA /DEFINITION=HUMINSP3R1 Human mRNA for type 1  
inosito

30 METAGENE 371 :

- 35113\_at Cluster Incl. X98332:H.sapiens mRNA for organic cation transporter, liv  
35457\_at Cluster Incl. U20325:Human cocaine and amphetamine regulated transcript  
37444\_at Cluster Incl. AF028827:Homo sapiens Tax interaction protein 40 mRNA, pa  
35 36823\_at Cluster Incl. AF055026:Homo sapiens clone 24444 RaP2 interacting protei  
1514\_g\_at Antigen, Prostate Specific, Alt. Splice Form 3

METAGENE 372 :

	32441_at	Cluster Incl. X52142:Human mRNA for CTP synthetase (EC 6.3.4.2) /cds=(7
	36720_at	Cluster Incl. AA873266:oh68e03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	37432_g_at	Cluster Incl. AF077953:Homo sapiens protein inhibitor of activated ST
	39219_at	Cluster Incl. U20240:Human C/EBP gamma mRNA, complete cds /cds=(250,702
5	41057_at	Cluster Incl. AI760162:wg58e09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41450_at	Cluster Incl. AI553878:tn30a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41451_s_at	Cluster Incl. W28498:50e2 Homo sapiens cDNA /gb=W28498 /gi=1308653 /u
	31863_at	Cluster Incl. D80001:Human mRNA for KIAA0179 gene, partial cds /cds=(0,
	32069_at	Cluster Incl. AB014515:Homo sapiens mRNA for KIAA0615 protein, complete
10	33241_at	Cluster Incl. AB014526:Homo sapiens mRNA for KIAA0626 protein, complete
	33815_at	Cluster Incl. J03626:Human UMP synthase mRNA, complete cds
		/cds=UNKNOWN
	36046_at	Cluster Incl. AL050144:Homo sapiens mRNA; cDNA DKFZp586C1620 (from
		clon
15	36088_at	Cluster Incl. AJ006291:Homo sapiens mRNA for leucine rich protein /cds=
	36857_at	Cluster Incl. AF084513:Homo sapiens DNA repair exonuclease (REC1) mRNA,
	37907_at	Cluster Incl. M34677:Human nested gene protein gene, complete cds /cds=
	38328_at	Cluster Incl. H10201:ym02c07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	38967_at	Cluster Incl. AF054175:Homo sapiens mitochondrial proteolipid 68MP homo
20	39748_at	Cluster Incl. AL050021:Homo sapiens mRNA; cDNA DKFZp564D016 (from
		clone
	39791_at	Cluster Incl. M23114:Homo sapiens calcium-ATPase (HK1) mRNA, complete c
	40459_at	Cluster Incl. S69189:peroxisomal acyl-coenzyme A oxidase [human, liver,
	40490_at	Cluster Incl. U41387:Human Gu protein mRNA, partial cds /cds=(0,2405) /
25	41128_at	Cluster Incl. AF070537:Homo sapiens clone 24606 mRNA sequence /cds=UNKN
	41733_at	Cluster Incl. AC003007:Human Chromosome 16 BAC clone CIT987SK-A-61E3 /c
	41756_at	Cluster Incl. AJ010842:Homo sapiens mRNA for putative ATP(GTP)-binding
	35274_at	Cluster Incl. Y12226:H.sapiens mRNA for gamma-adaptin /cds=(28,2505) /g
	35750_at	Cluster Incl. AL049948:Homo sapiens mRNA; cDNA DKFZp564K0222 (from
30	clon	
	36190_at	Cluster Incl. M63256:Human major Yo paraneoplastic antigen (CDR2) mRNA,
	36610_at	Cluster Incl. D21852:Human mRNA for KIAA0029 gene, partial cds /cds=(38
	36932_at	Cluster Incl. D13636:Human mRNA for KIAA0011 gene, complete cds /cds=(3
	37293_at	Cluster Incl. D43948:Human mRNA for KIAA0097 gene, complete cds /cds=(4
35	37683_at	Cluster Incl. D80012:Human mRNA for KIAA0190 gene, partial cds /cds=(0,
	37726_at	Cluster Incl. X06323:Human MRL3 mRNA for ribosomal protein L3 homologue
	37737_at	Cluster Incl. D25547:Homo sapiens mRNA for PIMT isozyme I, complete cds
	38036_at	Cluster Incl. L35035:Homo sapiens ribose 5-phosphate isomerase (RPI) mR
	38097_at	Cluster Incl. AF010313:Homo sapiens Pig8 (PIG8) mRNA, complete cds /cds

- 38473\_at Cluster Incl. M63180:Human threonyl-tRNA synthetase mRNA, complete cds  
 40167\_s\_at Cluster Incl. AF038187:Homo sapiens clone 23714 mRNA sequence /cds=UN  
 40537\_at Cluster Incl. AB018284:Homo sapiens mRNA for KIAA0741 protein, complete  
 40613\_at Cluster Incl. AL031775:dJ30M3.2 (novel protein) /cds=(0,260) /gb=AL0317  
 5 40982\_at Cluster Incl. AA926957:om68h06.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32572\_at Cluster Incl. X98296:H.sapiens mRNA for ubiquitin hydrolase /cds=(59,77  
 32595\_at Cluster Incl. U07231:Homo sapiens G-rich sequence factor-1 (GRSF-1) mRN  
 33121\_g\_at Cluster Incl. AF045229:Homo sapiens regulator of G protein signaling  
 1450\_g\_at D00763 /FEATURE= /DEFINITION=HUMPSC9 Human mRNA for proteasome  
 10 subunit

## METAGENE 373 :

- 34443\_at Cluster Incl. R61362:yh15c05.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 15 39641\_at Cluster Incl. X52486:Human mRNA for uracil-DNA glycosylase /cds=(79,105  
 40710\_at Cluster Incl. D86322:Homo sapiens mRNA for calmeglin, complete cds /cds=  
 41648\_at Cluster Incl. X78706:H.sapiens mRNA for carnitine acetyltransferase /cd  
 36876\_at Cluster Incl. M55150:Human fumarylacetoacetate hydrolase mRNA, complete

## 20 METAGENE 374 :

- 40649\_at Cluster Incl. X64810:H.sapiens encoding PC1/PC3 /cds=(189,2450) /gb=X64  
 40746\_at Cluster Incl. L20814:Human glutamate receptor 2 (HBGR2) mRNA, complete  
 40764\_at Cluster Incl. M22632:Human mitochondrial aspartate aminotransferase mRN  
 25 1554\_f\_at U22028 /FEATURE=expanded\_cds /DEFINITION=HSU22028 Human  
 cytochrome P45  
 1555\_f\_at U22029 /FEATURE= /DEFINITION=HSU22029 Human cytochrome P450  
 (CYP2A7) m  
 1492\_f\_at M33317 /FEATURE=mRNA /DEFINITION=HUMCYIIA4A Human cytochrome  
 30 P450IIA4  
 1494\_f\_at M33318 /FEATURE=mRNA /DEFINITION=HUMCPIIA3A Human cytochrome  
 P450IIA3  
 1371\_s\_at M29874 /FEATURE= /DEFINITION=HUMCYP2BB Human cytochrome P450-  
 IIB (hIIB)  
 35 1338\_s\_at X13930 /FEATURE=cds /DEFINITION=HSCYP2A4 Human CYP2A4 mRNA for  
 P-450 I

## METAGENE 375 :

36941\_at Cluster Incl. U16954:Human (AF1q) mRNA, complete cds /cds=(355,627) /gb  
 566\_at M79462 /FEATURE= /DEFINITION=HUMPML1 Human PML-1 mRNA, complete CDS

# METAGENE 376 :

5

33648\_at Cluster Incl. W28800:52g12 Homo sapiens cDNA /gb=W28800 /gi=1308811 /ug  
 38157\_at Cluster Incl. AF059252:Homo sapiens clone 1 HLA class III protein Dom3z  
 37216\_at Cluster Incl. AB023180:Homo sapiens mRNA for KIAA0963 protein, complete  
 38257\_at Cluster Incl. AF038406:Homo sapiens NADH dehydrogenase-ubiquinone Fe-S  
 10 40421\_at Cluster Incl. U49070:Human peptidyl-prolyl isomerase and essential mito  
 36116\_at Cluster Incl. AJ000414:Homo sapiens mRNA for Cdc42-interacting protein  
 39532\_at Cluster Incl. L36463:Homo sapiens ras interactor (RIN1) mRNA, complete  
 40232\_at Cluster Incl. U75370:Human mitochondrial RNA polymerase mRNA, nuclear g  
 1778\_g\_at L36463 /FEATURE= /DEFINITION=HUMA Homo sapiens ras interactor (RIN1)

15

m  
 1242\_at U15655 /FEATURE= /DEFINITION=HSU15655 Human ets domain protein ERF mRNA,

# METAGENE 377 :

20

33993\_at Cluster Incl. M22919:Human nonmuscle/smooth muscle alkali myosin light  
 34433\_at Cluster Incl. AF035299:Homo sapiens clone 23863 mRNA, partial cds /cds=  
 35401\_s\_at Cluster Incl. AB021225:Homo sapiens mRNA for membrane-type-4 matrix m  
 40325\_at Cluster Incl. AB014460:Homo sapiens TSC2, NTHL1/NTH1 and  
 SLC9A3R2/E3KAR

25

41113\_at Cluster Incl. AI871396:wl81f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41641\_at Cluster Incl. AJ223603:Homo sapiens mRNA encoding rat C4.4-like protein  
 35727\_at Cluster Incl. AI249721:qj64d06.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38313\_at Cluster Incl. AB028985:Homo sapiens mRNA for KIAA1062 protein, partial  
 38348\_at Cluster Incl. X95190:H.sapiens mRNA for Branched chain Acyl-CoA Oxidase

30

40120\_at Cluster Incl. X90999:H.sapiens mRNA for Glyoxalase II /cds=(36,818) /gb  
 40127\_at Cluster Incl. M95929:Human homeobox protein (PHOX1) mRNA, 3 end /cds=(  
 40825\_at Cluster Incl. AB025186:Homo sapiens mRNA for EB3 protein, complete cds  
 34345\_at Cluster Incl. AF026031:Homo sapiens putative mitochondrial outer membra  
 35742\_at Cluster Incl. U95740:Human Chromosome 16 BAC clone CIT987SK-A-362G6 /cd

35

36126\_at Cluster Incl. U18919:Human chromosome 17q12-21 mRNA, clone pOV-2, parti  
 36127\_g\_at Cluster Incl. U18919:Human chromosome 17q12-21 mRNA, clone pOV-2, par  
 37369\_s\_at Cluster Incl. L41066:Homo sapiens NF-AT3 mRNA, complete cds /cds=(141  
 37370\_i\_at Cluster Incl. L41066:Homo sapiens NF-AT3 mRNA, complete cds /cds=(141  
 38397\_at Cluster Incl. U09196:Human 1.1 kb mRNA upregulated in retinoic acid tre

- 38423\_at Cluster Incl. L38935:Homo sapiens GT212 mRNA /cds=UNKNOWN /gb=L38935 /g
- 40193\_at Cluster Incl. X51956:Human ENO2 gene for neuron specific (gamma) enolas
- 1087\_at M60459 /FEATURE= /DEFINITION=HUMERYTH Human erythropoietin receptor mRNA
- 5 745\_at D50495 /FEATURE=mRNA /DEFINITION=HUMTEF Homo sapiens mRNA for transcripti
- 249\_at L41066 /FEATURE= /DEFINITION=HUMNFAT3A Homo sapiens NF-AT3 mRNA, complete
- 141\_s\_at U75276 /FEATURE= /DEFINITION=HSU75276 Human TFIIB related factor
- 10 hBRF (
- METAGENE 378 :
- 31609\_s\_at Cluster Incl. L33799:Human procollagen C-proteinase enhancer protein
- 15 36799\_at Cluster Incl. L37882:Human frizzled gene product mRNA, complete cds /cd
- 37147\_at Cluster Incl. AF020044:Homo sapiens lymphocyte secreted C-type lectin p
- 39640\_at Cluster Incl. AB016789:Homo sapiens mRNA for Glutamine-fructose-6-phosp
- 32138\_at Cluster Incl. L07807:Human dynamin mRNA, alternative exons and complete
- 36811\_at Cluster Incl. U24389:Human lysyl oxidase-like protein gene /cds=(446,21
- 20 36861\_at Cluster Incl. AL049946:Homo sapiens mRNA; cDNA DKFZp564I1922 (from clon
- 37248\_at Cluster Incl. U83411:Homo sapiens carboxypeptidase Z precursor, mRNA, c
- 37573\_at Cluster Incl. AF007150:Homo sapiens clone 23767 and 23782 mRNA sequence
- 38338\_at Cluster Incl. AI201108:qf69g07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 38636\_at Cluster Incl. AB003184:Homo sapiens mRNA for ISLR, complete cds /cds=(9
- 25 38722\_at Cluster Incl. X15880:Human mRNA for collagen VI alpha-1 C-terminal glob
- 39069\_at Cluster Incl. AF053944:Homo sapiens aortic carboxypeptidase-like protei
- 39327\_at Cluster Incl. D86983:Human mRNA for KIAA0230 gene, partial cds /cds=(0,
- 39407\_at Cluster Incl. M22488:Human bone morphogenetic protein 1 (BMP-1) mRNA /c
- 39710\_at Cluster Incl. U30521:Human P311 HUM (3.1) mRNA, complete cds /cds=(202,
- 30 39753\_at Cluster Incl. X06256:Human mRNA for integrin alpha 5 subunit /cds=(23,3
- 40161\_at Cluster Incl. L32137:Human germline oligomeric matrix protein (COMP) mR
- 40162\_s\_at Cluster Incl. AC003107:Human DNA from chromosome 19-specific cosmid R
- 40848\_g\_at Cluster Incl. AB018293:Homo sapiens mRNA for KIAA0750 protein, comple
- 41138\_at Cluster Incl. M16279:Human MIC2 mRNA, complete cds /cds=(177,734) /gb=M
- 35 32783\_at Cluster Incl. X82494:H.sapiens mRNA for fibulin-2 /cds=(69,3623) /gb=X8
- 33412\_at Cluster Incl. AI535946:vicpro2.D07.r Homo sapiens cDNA, 5 end /clone\_e
- 33910\_at Cluster Incl. AL049338:Homo sapiens mRNA; cDNA DKFZp564P116 (from clone
- 33919\_at Cluster Incl. AF022813:Homo sapiens tetraspan (NAG-2) mRNA, complete cd

- 34802\_at Cluster Incl. X15882:Human mRNA for collagen VI alpha-2 C-terminal glob  
 35347\_at Cluster Incl. AF093119:Homo sapiens UPH1 (UPH1) mRNA, complete cds /cds  
 35740\_at Cluster Incl. AL050138:Homo sapiens mRNA; cDNA DKFZp586M121 (from  
 clone  
**5** 36149\_at Cluster Incl. D78014:Homo sapiens mRNA for dihydropyrimidinase related  
 36993\_at Cluster Incl. M33210:Human colony stimulating factor 1 receptor (CSF1R)  
 37005\_at Cluster Incl. D28124:Human mRNA for unknown product, complete cds /cds=  
 37032\_at Cluster Incl. U08021:Human nicotinamide N-methyltransferase (NNMT) mRNA  
 37408\_at Cluster Incl. AB014609:Homo sapiens mRNA for KIAA0709 protein, complete  
**10** 38126\_at Cluster Incl. J04599:Human hPGI mRNA encoding bone small proteoglycan I  
 38442\_at Cluster Incl. U19718:Human microfibril-associated glycoprotein (MFAP2)  
 38775\_at Cluster Incl. X13916:Human mRNA for LDL-receptor related protein /cds=(  
 39542\_at Cluster Incl. AF059611:Homo sapiens nuclear matrix protein NRP/B (NRPB)  
 2088\_s\_at D31661 /FEATURE= /DEFINITION=HUMERKA Human mRNA for tyrosine  
**15** kinase, c  
 1771\_s\_at J03278 /FEATURE= /DEFINITION=HUMPDGFRA Human platelet-derived  
 growth f  
 1233\_s\_at M76125 /FEATURE= /DEFINITION=HUMTYRKINR Human tyrosine kinase  
 receptor  
**20** 628\_at L37882 /FEATURE= /DEFINITION=HUMFRIZ Human frizzled gene product mRNA, co  
 212\_at M97639 /FEATURE= /DEFINITION=HUMROR2A Human transmembrane receptor (ror2)  
 METAGENE 379 :  
**25** 32880\_at Cluster Incl. AW015055:UI-H-BI0-aal-c-01-0-UI.s1 Homo sapiens cDNA, 3  
 METAGENE 380 :  
 32480\_at Cluster Incl. X07495:Human mRNA for cp19 homeobox from HOX-3 locus /cds  
**30** 39294\_at Cluster Incl. X16155:Human mRNA for chicken ovalbumin upstream promoter  
 37552\_at Cluster Incl. U33632:Human two P-domain K+ channel TWIK-1 mRNA, complet  
 36202\_at Cluster Incl. S76965:protein kinase inhibitor [human, neuroblastoma cel  
 1368\_at M27492 /FEATURE= /DEFINITION=HUMIL1RA Human interleukin 1 receptor mRNA,  
 1147\_at V-Erba Related Ear-3 Protein  
**35** METAGENE 381 :  
 31575\_f\_at Cluster Incl. M14087:Human HL14 gene encoding beta-galactoside-bindin

- 36743\_at Cluster Incl. AL096739:Homo sapiens mRNA; cDNA DKFZp586H0623 (from  
clon
- 34371\_at Cluster Incl. U79267:Human clone 23840 mRNA, partial cds /cds=(0,521) /
- 38428\_at Cluster Incl. M13509:Human skin collagenase mRNA, complete cds /cds=(68
- 5 483\_g\_at U59289 /FEATURE= /DEFINITION=HSU59289 Human H-cadherin mRNA,  
complete c

## METAGENE 382 :

- 10 39268\_at Cluster Incl. AF033382:Homo sapiens potassium channel mRNA, complete cd
- 40677\_at Cluster Incl. AF054984:Homo sapiens clone 23709 mRNA sequence /cds=UNKN
- 41440\_at Cluster Incl. D82061:Homo sapiens mRNA for a member of the short-chain
- 41475\_at Cluster Incl. U91512:Human adhesion molecule ninjurin mRNA, complete cd
- 33783\_at Cluster Incl. AB007867:Homo sapiens KIAA0407 mRNA, complete cds /cds=(2
- 15 34656\_at Cluster Incl. X82895:H.sapiens mRNA for DLG2 /cds=(87,1817) /gb=X82895
- 35704\_at Cluster Incl. X92814:H.sapiens mRNA for rat HREV107-like protein /cds=(
- 37602\_at Cluster Incl. Z49878:H.sapiens mRNA for guanidinoacetate N-methyltransf
- 37982\_at Cluster Incl. Z25821:H.sapiens gene for mitochondrial dodecenoyl-CoA de
- 39363\_at Cluster Incl. AF042384:Homo sapiens BC-2 protein mRNA, complete cds /cd
- 20 40093\_at Cluster Incl. X83425:H.sapiens LU gene for Lutheran blood group glycopr
- 40497\_at Cluster Incl. AF040707:Homo sapiens candidate tumor suppressor gene 21
- 32156\_at Cluster Incl. AF044968:untitled /cds=(0,1351) /gb=AF044968 /gi=3941380
- 35781\_g\_at Cluster Incl. AF035292:Homo sapiens clone 23584 mRNA sequence /cds=UN
- 40899\_at Cluster Incl. Y00503:Human mRNA for keratin 19 /cds=(32,1234) /gb=Y0050
- 25 41349\_at Cluster Incl. L43964:Homo sapiens (clone F-T03796) STM-2 mRNA, complete
- 33118\_at Cluster Incl. U73167:Homo sapiens cosmid clone LUCA14 from 3p21.3 /cds=
- 33155\_at Cluster Incl. M95740:Human alpha-L-iduronidase gene /cds=(0,1961) /gb=M
- 1337\_s\_at X06614 /FEATURE=cds /DEFINITION=HSRRA Human mRNA for receptor of  
retin
- 30 885\_g\_at M59911 /FEATURE= /DEFINITION=HUMINTA3A Human integrin alpha-3  
chain mRN
- 387\_at X80230 /FEATURE=mRNA /DEFINITION=HSSTPKC2K H.sapiens mRNA (clone C-2k)  
mR
- 342\_at D12485 /FEATURE= /DEFINITION=HUMNPP Human mRNA for nucleotide
- 35 pyrophospha
- 197\_at U29656 /FEATURE= /DEFINITION=HSU29656 Human DR-nm23 mRNA, complete cds
- 198\_g\_at U29656 /FEATURE= /DEFINITION=HSU29656 Human DR-nm23 mRNA,  
complete cds



## METAGENE 383 :

31891\_at Cluster Incl. U58515:Human chitinase (HUMTCHIT) mRNA, exon 1b form, par  
 38278\_at Cluster Incl. M62324:Human modulator recognition factor I (MRF-1) mRNA,

5

## METAGENE 384 :

38353\_at Cluster Incl. AF042378:Homo sapiens spindle pole body protein spc98 hom  
 32821\_at Cluster Incl. AI762213:wi54d04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 10 35780\_at Cluster Incl. AF035292:Homo sapiens clone 23584 mRNA sequence /cds=UNKN

## METAGENE 385 :

36238\_at Cluster Incl. Y11284:Homo sapiens AFX1 gene, exon 1 (and joined CDS) /c  
 15 33325\_at Cluster Incl. W26667:11a1 Homo sapiens cDNA /gb=W26667 /gi=1305733 /ug=  
 35266\_at Cluster Incl. AL049288:Homo sapiens mRNA; cDNA DKFZp564M053 (from  
 clone  
 35824\_at Cluster Incl. AJ223321:Homo sapiens RP58 gene, complete CDS /cds=(523,2  
 38104\_at Cluster Incl. U78302:Human 2,4-dienoyl-CoA reductase gene /cds=(73,1080

20

## METAGENE 386 :

38237\_at Cluster Incl. M64099:Human gamma-glutmyl transpeptidase-related protein  
 35219\_at Cluster Incl. AL050202:Homo sapiens mRNA; cDNA DKFZp586E2023 (from  
 25 clon  
 39395\_at Cluster Incl. AA704137:ag47g01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 39700\_at Cluster Incl. AI961929:wt39g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1563\_s\_at M58286 /FEATURE= /DEFINITION=HUMTNFRB Homo sapiens tumor necrosis  
 fact  
 30 160020\_at Z48481 /FEATURE=cds /DEFINITION=HSMMPM1 H.sapiens mRNA for  
 membrane-ty

## METAGENE 387 :

35 31510\_s\_at Cluster Incl. Z48950:H.sapiens hH3.3B gene for histone H3.3 /cds=(10,  
 34647\_at Cluster Incl. X52104:Human mRNA for p68 protein /cds=(175,2019) /gb=X52  
 36427\_at Cluster Incl. W27129:22g8 Homo sapiens cDNA /gb=W27129 /gi=1306663 /ug=  
 37107\_at Cluster Incl. U78305:Homo sapiens protein phosphatase Wip1 mRNA, comple  
 38171\_at Cluster Incl. U94747:Human WD repeat protein HAN11 mRNA, complete cds /

- 40724\_at Cluster Incl. Y14443:Homo sapiens mRNA for zinc finger protein /cds=(33  
 41625\_at Cluster Incl. AB011165:Homo sapiens mRNA for KIAA0593 protein, partial  
 35618\_at Cluster Incl. D29677:Human mRNA for KIAA0054 gene, complete cds /cds=(1  
 41159\_at Cluster Incl. D21260:Human mRNA for KIAA0034 gene, complete cds /cds=(1  
**5** 41768\_at Cluster Incl. M33336:Human cAMP-dependent protein kinase type I-alpha s  
 34397\_at Cluster Incl. AF069250:Homo sapiens okadaic acid-inducible phosphoprote  
 34885\_at Cluster Incl. AJ002308:Homo sapiens mRNA for synaptogyrin 2 /cds=(29,70  
 40229\_at Cluster Incl. AJ010071:Homo sapiens for TOM1-like protein /cds=(30,1460  
 40631\_at Cluster Incl. D38305:Human mRNA for Tob, complete cds /cds=(43,1080) /g  
**10** 2037\_s\_at M60725 /FEATURE= /DEFINITION=HUMP70S6KB Human p70 ribosomal S6  
 kinase  
 1192\_at AB003103 /FEATURE= /DEFINITION=AB003103 Homo sapiens mRNA for 26S protea
- METAGENE 388 :
- 15**
- 33988\_at Cluster Incl. X75861:H.sapiens TEGT gene /cds=(40,753) /gb=X75861 /gi=4  
 35450\_s\_at Cluster Incl. AF015553:Homo sapiens TFII-I protein (TFII-I) mRNA, com  
 31898\_at Cluster Incl. D86967:Human mRNA for KIAA0212 gene, complete cds /cds=(5  
 34718\_at Cluster Incl. X04434:Human mRNA for insulin-like growth factor I recept  
**20** 38984\_at Cluster Incl. AB007896:Homo sapiens KIAA0436 mRNA, partial cds /cds=(0,  
 39364\_s\_at Cluster Incl. Y18207:Homo sapiens mRNA for protein phosphatase 1 (PPP  
 40411\_at Cluster Incl. D80003:Human mRNA for KIAA0181 gene, partial cds /cds=(0,  
 41127\_at Cluster Incl. L14595:Human alanine/serine/cysteine/threonine transporte  
 32741\_at Cluster Incl. X77723:H.sapiens mRNA for unknown protein of uterine endo  
**25** 36211\_at Cluster Incl. D87461:Human mRNA for KIAA0271 gene, complete cds /cds=(1  
 41543\_at Cluster Incl. U34360:Human lymphoid nuclear protein (LAF-4) mRNA, compl  
 2018\_at M65188 /FEATURE= /DEFINITION=HUMCX43 Human connexin 43 (GJA1, Cx43)  
 mRNA  
 1893\_s\_at Estrogen Receptor  
**30** 1681\_at X03635 /FEATURE=cds /DEFINITION=HSERR Human mRNA for oestrogen receptor  
 1472\_g\_at U22376 /FEATURE=cds#1 /DEFINITION=HSU22376 Human (c-myb) gene,  
 complet  
 1473\_s\_at U22376 /FEATURE=cds#2 /DEFINITION=HSU22376 Human (c-myb) gene,  
 complet  
**35** 1474\_s\_at U22376 /FEATURE=cds#3 /DEFINITION=HSU22376 Human (c-myb) gene,  
 complet  
 1475\_s\_at U22376 /FEATURE=cds#4 /DEFINITION=HSU22376 Human (c-myb) gene,  
 complet

- 1476\_s\_at U22376 /FEATURE=cds#5 /DEFINITION=HSU22376 Human (c-myb) gene, complet
- 1335\_at X04434 /FEATURE=cds /DEFINITION=HSIGFIRR Human mRNA for insulin-like gro
- 368\_at Z29083 /FEATURE=cds /DEFINITION=HS5T4OA H.sapiens 5T4 gene for 5T4 Oncofe
- 5 343\_s\_at D12485 /FEATURE=cds#1 /DEFINITION=HUMNPP Human mRNA for nucleotide pyro
- METAGENE 389 :
- 10 32430\_at Cluster Incl. M73481:Human gastrin releasing peptide receptor (GRPR) mR
- 37142\_at Cluster Incl. AF038421:Homo sapiens GPI-linked anchor protein (GFRA1) m
- 38875\_r\_at Cluster Incl. AB011147:Homo sapiens mRNA for KIAA0575 protein, comple
- 39616\_at Cluster Incl. AL050227:Homo sapiens mRNA; cDNA DKFZp586M0723 (from clon
- 15 39642\_at Cluster Incl. AL080199:Homo sapiens mRNA; cDNA DKFZp434E082 (from clone
- 41048\_at Cluster Incl. D90070:Human ATL-derived PMA-responsive (APR) peptide mRN
- 32027\_at Cluster Incl. AF012281:Homo sapiens PDZ domain containing-protein (PDZK
- 32043\_at Cluster Incl. AF098462:Homo sapiens stanniocalcin-related protein mRNA,
- 20 32686\_at Cluster Incl. D86096:Human DNA for prostaglandin E receptor EP3 subtype
- 33799\_at Cluster Incl. U76248:Human hSLAH2 mRNA, complete cds /cds=(526,1500) /g
- 33800\_at Cluster Incl. AF036927:Homo sapiens adenylyl cyclase type IX mRNA, comp
- 34678\_at Cluster Incl. AL096713:Homo sapiens mRNA; cDNA DKFZp564E1616 (from clon
- 25 37273\_at Cluster Incl. AF007153:Homo sapiens clone 23736 mRNA sequence /cds=UNKN
- 37638\_at Cluster Incl. D50857:Human DOCK180 protein mRNA, complete cds /cds=(23,
- 37902\_at Cluster Incl. L13278:Homo sapiens zeta-crystallin/quinone reductase mRN
- 38254\_at Cluster Incl. AB020689:Homo sapiens mRNA for KIAA0882 protein, partial
- 39055\_at Cluster Incl. M32886:Human sorcin CP-22 mRNA, complete cds /cds=(12,608
- 30 39714\_at Cluster Incl. AF042081:Homo sapiens SH3 domain binding glutamic acid-ri
- 40088\_at Cluster Incl. X84373:H.sapiens mRNA for nuclear factor RIP140 /cds=(287
- 40790\_at Cluster Incl. AB004066:Homo sapiens mRNA for DEC1, complete cds /cds=(1
- 33405\_at Cluster Incl. N90755:zb22c08.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-
- 33821\_at Cluster Incl. AL034374:Human DNA sequence from clone 483K16 on chromoso
- 35 34785\_at Cluster Incl. AB028948:Homo sapiens mRNA for KIAA1025 protein, partial
- 35356\_at Cluster Incl. W21884:58c2 Homo sapiens cDNA /clone=(not-directional) /g
- 35371\_at Cluster Incl. M83822:Human beige-like protein (BGL) mRNA, partial cds /
- 35842\_at Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from clone

- 36634\_at Cluster Incl. U72649:Human BTG2 (BTG2) mRNA, complete cds /cds=(71,547)
- 37027\_at Cluster Incl. M80899:Human novel protein AHNAK mRNA, partial sequence /
- 37038\_at Cluster Incl. X83467:H.sapiens PXMP1 gene, exon 1 (and joined CDS) /cds
- 38078\_at Cluster Incl. AF042166:Homo sapiens beta-filamin mRNA, complete cds /cd
- 5** 38415\_at Cluster Incl. U14603:Human protein-tyrosine phosphatase (HU-PP-1) mRNA,
- 40220\_at Cluster Incl. AB021179:Homo sapiens mRNA for HEXIM1 protein, complete c
- 32510\_at Cluster Incl. AF026947:Homo sapiens aflatoxin aldehyde reductase AFAR m
- 2042\_s\_at M15024 /FEATURE= /DEFINITION=HUMCMYBLA Human c-myb mRNA, complete cds
- 10** 1909\_at M14745 /FEATURE= /DEFINITION=HUMBCL2C Human bcl-2 mRNA
- 1798\_at U41060 /FEATURE= /DEFINITION=HSU41060 Human breast cancer, estrogen regu
- 376\_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphorin
- 377\_g\_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphori
- 15** 310\_s\_at J03778 /FEATURE= /DEFINITION=HUMTAUA Human microtubule-associated prote

## METAGENE 390 :

- 20** 38211\_at Cluster Incl. AL050276:Homo sapiens mRNA; cDNA DKFZp566F123 (from clone
- 35622\_at Cluster Incl. AB001451:Homo sapiens mRNA for Sck, partial cds /cds=(0,1
- 36892\_at Cluster Incl. AF032108:Homo sapiens integrin alpha-7 mRNA, complete cds
- 39350\_at Cluster Incl. U50410:Human heparan sulphate proteoglycan (OCI5) mRNA, c
- 25** 39430\_at Cluster Incl. AF082557:Homo sapiens TRF1-interacting ankyrin-related AD
- 41137\_at Cluster Incl. AB007972:Homo sapiens mRNA, chromosome 1 specific transcr
- 33916\_at Cluster Incl. AB023192:Homo sapiens mRNA for KIAA0975 protein, partial
- 37407\_s\_at Cluster Incl. AF013570:Homo sapiens smooth muscle myosin heavy chain
- 38408\_at Cluster Incl. L10373:Human (clone CCG-B7) mRNA sequence /cds=UNKNOWN
- 30** /g
- 39545\_at Cluster Incl. U22398:Human Cdk-inhibitor p57KIP2 (KIP2) mRNA, complete
- 32582\_at Cluster Incl. AF001548:Human Chromosome 16 BAC clone CIT987SK-A-815A9 /
- 767\_at AF001548 /FEATURE=mRNA /DEFINITION=HUA001548 Human Chromosome 16 BAC clo
- 35** 774\_g\_at D10667 /FEATURE= /DEFINITION=HUMMHCAAA Homo sapiens mRNA for smooth mus

## METAGENE 391 :

40647\_at Cluster Incl. Z32684:Homo sapiens mRNA for membrane transport protein (  
 40478\_at Cluster Incl. AL021396:Human DNA sequence from clone 971N18 on chromoso  
 34886\_at Cluster Incl. L02320:Human radixin mRNA, complete cds /cds=(30,1781) /g  
 1733\_at M60315 /FEATURE= /DEFINITION=HUMTGFBC Human transforming growth factor-b

5

METAGENE 392 :

37109\_at Cluster Incl. M55671:Human protein Z (plus 66 bp insertion) mRNA, compl  
 36108\_at Cluster Incl. M16276:Human MHC class II HLA-DR2-Dw12 mRNA DQw1-beta,  
 10 co

METAGENE 393 :

15 35061\_at Cluster Incl. AF030514:Homo sapiens interferon stimulated T-cell alpha  
 37126\_at Cluster Incl. M62800:Human 52-kD SS-A/Ro autoantigen mRNA, complete cds  
 37168\_at Cluster Incl. AB013924:Homo sapiens mRNA for TSC403 protein, complete c  
 37420\_i\_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,  
 39988\_at Cluster Incl. M74447:Human PSF-2 mRNA, complete cds /cds=(96,2207) /gb=  
 33304\_at Cluster Incl. U88964:Human HEM45 mRNA, complete cds /cds=(37,582) /gb=U  
 20 36472\_at Cluster Incl. U32849:Homo sapiens Nmi mRNA, complete cds /cds=(280,1203  
 36825\_at Cluster Incl. X82200:H.sapiens Staf50 mRNA /cds=(122,1450) /gb=X82200 /  
 37219\_at Cluster Incl. X72755:H.sapiens Humig mRNA /cds=(39,416) /gb=X72755 /gi=  
 37944\_at Cluster Incl. U19523:Human GTP cyclohydrolase I mRNA, complete cds /cds  
 38287\_at Cluster Incl. AA808961:nw16h03.s1 Homo sapiens cDNA /clone=IMAGE-124066  
 25 40153\_at Cluster Incl. X57522:H.sapiens RING4 cDNA /cds=(30,2456) /gb=X57522 /gi  
 41171\_at Cluster Incl. D45248:Human mRNA for proteasome activator hPA28 subunit  
 41237\_at Cluster Incl. D32129:Human mRNA for HLA class-I (HLA-A26) heavy chain,  
 32859\_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, com  
 32860\_g\_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, c  
 30 33338\_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence /c  
 33339\_g\_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence  
 35735\_at Cluster Incl. M55542:Human guanylate binding protein isoform I (GBP-2)  
 37352\_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complete  
 38759\_at Cluster Incl. U97502:Homo sapiens butyrophilin (BT3.3) gene /cds=(73,22  
 35 38760\_f\_at Cluster Incl. U90546:Human butyrophilin (BTF4) mRNA, complete cds /cd  
 1184\_at D45248 /FEATURE= /DEFINITION=HUMPHPA28A Human mRNA for proteasome  
 activa  
 1021\_at J00219 /FEATURE=mRNA /DEFINITION=HUMIFNG Human immune interferon (IFN-ga

669\_s\_at L05072 /FEATURE=expanded\_cds /DEFINITION=HUMIFNRF1A Homo sapiens  
interfe  
495\_at U31628 /FEATURE= /DEFINITION=HSU31628 Human interleukin-15 receptor alpha  
431\_at X02530 /FEATURE=cds /DEFINITION=HSINFGER Human mRNA for gamma-interferon

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METAGENE 394 :

31438\_s\_at Cluster Incl. Z22971:H.sapiens mRNA for M130 antigen extracellular va  
33641\_g\_at Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /c  
10 35012\_at Cluster Incl. M81750:H.sapiens myeloid cell nuclear differentiation ant  
36795\_at Cluster Incl. J03077:Human co-beta glucosidase (proactivator) mRNA, com  
37099\_at Cluster Incl. AI806222:wf26e10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
38533\_s\_at Cluster Incl. J03925:Human Mac-1 gene encoding complement receptor ty  
40742\_at Cluster Incl. M16591:Human hemopoietic cell protein-tyrosine kinase (HC  
15 33731\_at Cluster Incl. AJ130718:Homo sapiens mRNA for glycoprotein-associated am  
33777\_at Cluster Incl. D34625:Human TBXAS1 gene for thromboxane synthase, promot  
36908\_at Cluster Incl. M93221:Human macrophage mannose receptor (MRC1) gene /c  
38323\_at Cluster Incl. AC005162:Homo sapiens BAC clone RG113D17 from 7p14-p15 /c  
39760\_at Cluster Incl. AL031781:dJ51J12.1.3 (human ortholog of mouse KH Domain R  
20 32207\_at Cluster Incl. M64925:Human palmitoylated erythrocyte membrane protein (  
32824\_at Cluster Incl. AF039704:Homo sapiens lysosomal pepstatin insensitive pro  
34830\_at Cluster Incl. W25986:17e7 Homo sapiens cDNA /gb=W25986 /gi=1306253 /ug=  
36661\_s\_at Cluster Incl. X06882:Human gene for CD14 differentiation antigen /c  
37011\_at Cluster Incl. U49392:Human allograft inflammatory factor-1 (AIF-1) mRNA  
25 37015\_at Cluster Incl. K03000:Human aldehyde dehydrogenase 1 mRNA /c  
37684\_at Cluster Incl. AB020687:Homo sapiens mRNA for KIAA0880 protein, complete  
317\_at D55696 /FEATURE= /DEFINITION=D55696 Homo sapiens mRNA for cysteine protea

METAGENE 395 :

30

32904\_at Cluster Incl. M28393:Human perforin mRNA, complete cds /c  
34974\_at Cluster Incl. Y13323:Homo sapiens mRNA for disintegrin-protease /c  
35957\_at Cluster Incl. AF030196:Homo sapiens stannin mRNA, complete cds /c  
36776\_at Cluster Incl. X51985:Human LAG-3 mRNA for CD4-related protein involved  
35 37145\_at Cluster Incl. M85276:Homo sapiens NKG5 gene, complete cds /c  
39239\_at Cluster Incl. X13444:Human mRNA for CD8 beta-chain glycoprotein (CD8 be  
40323\_at Cluster Incl. D84276:Homo sapiens mRNA for CD38, complete cds /c  
41433\_at Cluster Incl. M73255:Human vascular cell adhesion molecule-1 (VCAM1) ge

- 33812\_at Cluster Incl. AL049415:Homo sapiens mRNA; cDNA DKFZp586N2119 (from clon
- 37960\_at Cluster Incl. AB014679:Homo sapiens GN6ST mRNA for N-acetylglucosamine-
- 40049\_at Cluster Incl. X76104:H.sapiens DAP-kinase mRNA /cds=(336,4631) /gb=X761
- 5** 36203\_at Cluster Incl. X16277:Human gene for ornithine decarboxylase ODC (EC 4.1
- 36675\_r\_at Cluster Incl. J03191:Human profilin mRNA, complete cds /cds=(127,549)
- 38121\_at Cluster Incl. X59892:H.sapiens mRNA for IFN-inducible gamma2 protein /c
- 41585\_at Cluster Incl. AB018289:Homo sapiens mRNA for KIAA0746 protein, partial
- 41592\_at Cluster Incl. AB000734:Homo sapiens mRNA for TIP3, complete cds /cds=(1
- 10** 2002\_s\_at U27467 /FEATURE= /DEFINITION=HSU27467 Human Bcl-2 related (Bfl-1) mRNA
- 1081\_at M33764 /FEATURE=cds /DEFINITION=HUMSODB Human ornithine decarboxylase ge
- 907\_at M13792 /FEATURE=cds /DEFINITION=HUMADAG Human adenosine deaminase (ADA) g
- 15** 880\_at M34539 /FEATURE= /DEFINITION=HUMFKBP Human FK506-binding protein (FKBP) m
- 583\_s\_at M30257 /FEATURE= /DEFINITION=HUMCAM1V Human vascular cell adhesion mole
- 288\_s\_at L25931 /FEATURE= /DEFINITION=HUMLBR Human lamin B receptor (LBR)
- 20** mRNA,
- 133\_at X87212 /FEATURE=cds /DEFINITION=HSCATHCGE H.sapiens mRNA for cathepsin C
- METAGENE 396 :
- 25** 39248\_at Cluster Incl. N74607:za55a01.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 39249\_at Cluster Incl. AB001325:Human AQP3 gene for aquaporine 3 (water channel)
- 36906\_at Cluster Incl. U73304:Human CB1 cannabinoid receptor (CNR1) gene, comple
- METAGENE 397 :
- 30**
- 32488\_at Cluster Incl. X14420:Human mRNA for pro-alpha-1 type 3 collagen /cds=(1
- 34091\_s\_at Cluster Incl. Z19554:H.sapiens vimentin gene /cds=(122,1522) /gb=Z195
- 32305\_at Cluster Incl. J03464:Human collagen alpha-2 type I mRNA, complete cds,
- 32307\_s\_at Cluster Incl. V00503:Human mRNA encoding Pro-alpha-2 chain of type I
- 35** 34985\_at Cluster Incl. AF035408:Homo sapiens cartilage intermediate layer protei
- 39674\_r\_at Cluster Incl. AB011792:Homo sapiens mRNA for extracellular matrix pro
- 41405\_at Cluster Incl. AF026692:Homo sapiens frizzled related protein frpHE mRNA
- 31897\_at Cluster Incl. U53445:Human ovarian cancer downregulated myosin heavy ch

- 36007\_at Cluster Incl. AL050137:Homo sapiens mRNA; cDNA DKFZp586L151 (from clone
- 37283\_at Cluster Incl. X82209:H.sapiens MN1 mRNA /cds=(887,4915) /gb=X82209 /gi=
- 37565\_at Cluster Incl. X85750:H.sapiens mRNA for transcript associated with mono
- 5 40051\_at Cluster Incl. D31762:Human mRNA for KIAA0057 gene, complete cds /cds=(7
- 41191\_at Cluster Incl. AB023209:Homo sapiens mRNA for KIAA0992 protein, partial
- 33440\_at Cluster Incl. U19969:Human two-handed zinc finger protein ZEB mRNA, par
- 35366\_at Cluster Incl. M30269:Human nidogen mRNA, complete cds /cds=(90,3833) /g
- 36142\_at Cluster Incl. X79204:H.sapiens SCA1 mRNA for ataxin /cds=(935,3385) /gb
- 10 36638\_at Cluster Incl. X78947:H.sapiens mRNA for connective tissue growth factor
- 36976\_at Cluster Incl. D21255:Human mRNA for OB-cadherin-2, complete cds /cds=(4
- 37671\_at Cluster Incl. S78569:laminin alpha 4 chain [human, fetal lung, mRNA, 62
- 38026\_at Cluster Incl. U01244:Human fibulin-1D mRNA, complete cds /cds=(10,2121)
- 38038\_at Cluster Incl. U21128:Human lumican mRNA, complete cds /cds=(84,1100) /g
- 15 38052\_at Cluster Incl. M14539:Human factor XIII subunit a mRNA, 3' end /cds=(0,2
- 38077\_at Cluster Incl. X52022:H.sapiens RNA for type VI collagen alpha3 chain /c
- 38111\_at Cluster Incl. X15998:H.sapiens mRNA for the chondroitin sulphate proteo
- 38112\_g\_at Cluster Incl. X15998:H.sapiens mRNA for the chondroitin sulphate prot
- 38427\_at Cluster Incl. L25286:Homo sapiens alpha-1 type XV collagen mRNA, comple
- 20 38433\_at Cluster Incl. M76125:Human tyrosine kinase receptor (axl) mRNA, complet
- 38466\_at Cluster Incl. X82153:H.sapiens mRNA for cathepsin O /cds=(129,1118) /gb
- 41839\_at Cluster Incl. L13698:Human gas1 gene, complete cds /cds=(410,1447) /gb=
- 32535\_at Cluster Incl. X63556:H.sapiens mRNA for fibrillin /cds=(0,9010) /gb=X63
- 2087\_s\_at D21254 /FEATURE= /DEFINITION=HUMOSF4A Human mRNA for OB-
- 25 cadherin-1, co
- 1761\_at D37965 /FEATURE= /DEFINITION=HUMPRLTS Human mRNA for PDGF receptor
- beta-
- 1731\_at M21574 /FEATURE=mRNA /DEFINITION=HUMPDGFRAA Human platelet-derived
- growt
- 30 1451\_s\_at D13666 /FEATURE= /DEFINITION=HUMOSF2OS Homo sapiens osf-2 mRNA
- for ost
- 1278\_at Tyrosine Kinase, Receptor Axl, Alt. Splice 2
- 753\_at D86425 /FEATURE= /DEFINITION=D86425 Homo sapiens mRNA for osteonidogen, c
- 718\_at D87258 /FEATURE= /DEFINITION=D87258 Homo sapiens mRNA for serin protease
- 35 671\_at J03040 /FEATURE= /DEFINITION=HUMSPARC Human SPARC/osteonectin mRNA,
- compl
- 661\_at L13698 /FEATURE= /DEFINITION=HUMGAS1A Human gas1 gene, complete cds
- 581\_at M61916 /FEATURE= /DEFINITION=HUMLAM101 Human laminin B1 chain mRNA,
- compl



232\_at M55210 /FEATURE=mRNA#1 /DEFINITION=HUMLB2A26 Human laminin B2 chain gene,

METAGENE 398 :

5

- 35858\_at Cluster Incl. AA996066:os33d01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35955\_at Cluster Incl. S80864:cytochrome c-like polypeptide [human, lung adenoca  
 39323\_at Cluster Incl. U45974:Human phosphatidylinositol (4,5) bisphosphate 5-ph  
 34702\_f\_at Cluster Incl. M27826:Human endogenous retroviral protease mRNA, compl  
 10 34703\_f\_at Cluster Incl. AA151971:zo30b03.r1 Homo sapiens cDNA, 5 end /clone=IM  
 40050\_at Cluster Incl. AF069747:Homo sapiens MTG8-like protein MTGR1a mRNA, comp  
 40428\_i\_at Cluster Incl. AW043812:wy81b07.x1 Homo sapiens cDNA, 3 end /clone=IM

METAGENE 399 :

15

- 35484\_at Cluster Incl. U95737:Human Chromosome 16 BAC clone CIT987SK-A-388D4 /cd  
 36173\_r\_at Cluster Incl. AF002163:Homo sapiens delta-adaptin mRNA, complete cds  
 2023\_g\_at M77198 /FEATURE= /DEFINITION=HUMRPKB Human rac protein kinase beta  
 mRN

20

METAGENE 400 :

- 37426\_at Cluster Incl. U80736:Homo sapiens CAGF9 mRNA, partial cds /cds=(0,995)  
 38223\_at Cluster Incl. AB024057:Homo sapiens mRNA for vascular Rab-GAP/TBC-conta  
 25 41094\_at Cluster Incl. Y10179:H.sapiens mRNA for prolactin-inducible protein /cd  
 37276\_at Cluster Incl. U51903:Human RasGAP-related protein (IQGAP2) mRNA, comple  
 41193\_at Cluster Incl. AB013382:Homo sapiens mRNA for DUSP6, complete cds /cds=(  
 1647\_at U51903 /FEATURE= /DEFINITION=HSU51903 Human RasGAP-related protein (IQGA  
 325\_s\_at Prolactin-Induced Protein

30

METAGENE 401 :

- 40684\_at Cluster Incl. U78190:Human GTP cyclohydrolase I feedback regulatory pro  
 41402\_at Cluster Incl. AL080121:Homo sapiens mRNA; cDNA DKFZp564O0823 (from  
 35 clon  
 41706\_at Cluster Incl. AJ130733:Homo sapiens mRNA 2-methylacyl-CoA racemase /cds  
 41717\_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B  
 41721\_at Cluster Incl. AA658877:nt84c12.s1 Homo sapiens cDNA /clone=IMAGE-120520  
 38012\_at Cluster Incl. U03272:Human fibrillin-2 mRNA, complete cds /cds=(0,8735)

## METAGENE 402 :

- 31667\_r\_at Cluster Incl. W27698:36f8 Homo sapiens cDNA /gb=W27698 /gi=1307664 /u
- 5 31715\_at Cluster Incl. U93720:Homo sapiens TEX28 mRNA, complete cds /cds=(144,13
- 39255\_at Cluster Incl. X02750:Human liver mRNA for protein C /cds=(97,1482) /gb=
- 41383\_at Cluster Incl. AJ001403:Homo sapiens mRNA for MUC5AC protein (placental)
- 39406\_at Cluster Incl. U50330:Human procollagen C-proteinase (pCP-2) mRNA, compl
- 39764\_at Cluster Incl. Z22534:H.sapiens ALK-2 mRNA /cds=(103,1632) /gb=Z22534 /g
- 10 40974\_at Cluster Incl. U63541:Human mRNA expressed in HC/HCC livers and MolT-4 p

## METAGENE 403 :

- 32402\_s\_at Cluster Incl. Y10931:H.sapiens mRNA for symplekin /cds=(459,3887) /gb
- 15 35562\_at Cluster Incl. AI076718:oz16h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34897\_at Cluster Incl. W26524:32g4 Homo sapiens cDNA /gb=W26524 /gi=1307385 /ug=
- 35963\_at Cluster Incl. AI201243:qf70f09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36732\_at Cluster Incl. AI004207:ot94g05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 37159\_at Cluster Incl. U79259:Human clone 23945 mRNA, complete cds /cds=(636,140
- 20 38142\_at Cluster Incl. U38904:Human zinc finger protein C2H2-25 mRNA, complete c
- 38523\_f\_at Cluster Incl. D49677:Human U2AF1-RS2 mRNA, complete cds /cds=(24,1472
- 41464\_at Cluster Incl. AB002337:Human mRNA for KIAA0339 gene, complete cds /cds=
- 41866\_s\_at Cluster Incl. AF022728:Homo sapiens beta-dystrobrevin (BDTN) mRNA, co
- 32659\_at Cluster Incl. AL050109:Homo sapiens mRNA; cDNA DKFZp586J0119 (from clon
- 25 33242\_at Cluster Incl. U92980:Homo sapiens clone DT1P1A10 mRNA, CAG repeat regio
- 33322\_i\_at Cluster Incl. X57348:H.sapiens mRNA (clone 9112) /cds=(165,911) /gb=X
- 33323\_r\_at Cluster Incl. X57348:H.sapiens mRNA (clone 9112) /cds=(165,911) /gb=X
- 33736\_at Cluster Incl. Y16522:Homo sapiens mRNA for hSLP-1 protein /cds=(44,1228
- 34259\_at Cluster Incl. AB014564:Homo sapiens mRNA for KIAA0664 protein, partial
- 30 35701\_at Cluster Incl. AI038821:ox96d03.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 36862\_at Cluster Incl. AB029038:Homo sapiens mRNA for KIAA1115 protein, complete
- 39404\_s\_at Cluster Incl. D86988:Human mRNA for KIAA0221 gene, complete cds /cds=
- 40872\_at Cluster Incl. T57872:yb19b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 40875\_s\_at Cluster Incl. X06815:Human mRNA for hU1-70K small nuclear RNP protein
- 35 41724\_at Cluster Incl. X81817:H.sapiens BAP31 mRNA /cds=(73,813) /gb=X81817 /gi=
- 41753\_at Cluster Incl. U48734:Human non-muscle alpha-actinin mRNA, complete cds
- 32236\_at Cluster Incl. AF032456:Homo sapiens ubiquitin conjugating enzyme G2 (UB
- 33408\_at Cluster Incl. AB023151:Homo sapiens mRNA for KIAA0934 protein, partial
- 35260\_at Cluster Incl. AB020674:Homo sapiens mRNA for KIAA0867 protein, complete

- 36986\_at Cluster Incl. AL031295:Human DNA sequence from clone 886K2 on chromosom  
 37365\_at Cluster Incl. X63368:H.sapiens HSJ1 mRNA /cds=(25,1080) /gb=X63368 /gi=  
 38020\_at Cluster Incl. AB014552:Homo sapiens mRNA for KIAA0652 protein, complete  
 39088\_at Cluster Incl. Y18007:Homo sapiens mRNA for putative seven transmembrane  
 5 39824\_at Cluster Incl. AI391564:tg16b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40199\_at Cluster Incl. M97676:Homo sapiens (region 7) homeobox protein (HOX7) mR  
 41838\_at Cluster Incl. X99270:H.sapiens Xq28, 2000bp sequence contg. ORF /cds=(5  
 490\_g\_at U63329 /FEATURE=cds /DEFINITION=HSU63329 Human mutY homolog  
 (hMYH) gene

10

METAGENE 404 :

- 33221\_at Cluster Incl. U80735:Homo sapiens CAGF28 mRNA, partial cds /cds=(0,2235  
 36921\_at Cluster Incl. U02556:Human RP3 mRNA, complete cds /cds=(68,418) /gb=U02  
 15 38317\_at Cluster Incl. M99701:Homo sapiens (pp21) mRNA, complete cds /cds=(164,6  
 40861\_at Cluster Incl. D14812:Human mRNA for KIAA0026 gene, complete cds /cds=(3  
 41210\_at Cluster Incl. M81057:Human procarboxypeptidase B mRNA, complete cds /cd  
 32215\_i\_at Cluster Incl. AB020685:Homo sapiens mRNA for KIAA0878 protein, comple  
 35767\_at Cluster Incl. AI565760:tn20b01.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 20 36165\_at Cluster Incl. W51774:zc48b04.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 36660\_at Cluster Incl. AF000231:Homo sapiens rab11a GTPase mRNA, complete cds /c  
 41348\_at Cluster Incl. U90304:Human iroquois-class homeodomain protein IRX-2a mR  
 977\_s\_at Z35402 /FEATURE=mRNA /DEFINITION=HSECAD3 H.sapiens gene encoding  
 E-cadh

25

METAGENE 405 :

- 36295\_at Cluster Incl. U09412:Human zinc finger protein ZNF134 mRNA, complete cd  
 40691\_at Cluster Incl. U71598:Human zinc finger protein zfp2 (zf2) mRNA, partial

30

METAGENE 406 :

- 31525\_s\_at Cluster Incl. J00153:Human alpha globin gene cluster on chromosome 16  
 31687\_f\_at Cluster Incl. M25079:Human sickle cell beta-globin mRNA, complete cds  
 35 32052\_at Cluster Incl. L48215:Homo sapiens beta-globin (HBB) gene, with a to c a  
 117\_at X51757 /FEATURE=cds /DEFINITION=HSP70B Human heat-shock protein HSP70B g

METAGENE 407 :

- 39315\_at Cluster Incl. D13628:Human mRNA for KIAA0003 gene, complete cds /cds=(9  
 39993\_at Cluster Incl. D11466:Homo sapiens mRNA for PIG-A protein, complete cds  
 41632\_at Cluster Incl. D38550:Human mRNA for KIAA0075 gene, partial cds /cds=(0,  
 41669\_at Cluster Incl. D83776:Human mRNA for KIAA0191 gene, partial cds /cds=(0,  
 5 31786\_at Cluster Incl. AF051321:Homo sapiens Sam68-like phosphotyrosine protein  
 31794\_at Cluster Incl. D38524:Human mRNA for 5-nucleotidase /cds=(83,1768) /gb=D  
 35202\_at Cluster Incl. AF025654:Homo sapiens mRNA capping enzyme (HCE) mRNA,  
 com  
 36898\_r\_at Cluster Incl. X74331:H.sapiens mRNA for DNA primase (subunit p58) /cd  
 10 37991\_at Cluster Incl. L38961:Human putative transmembrane protein precursor (B5  
 41143\_at Cluster Incl. U12022:Human calmodulin (CALM1) gene /cds=(199,648) /gb=U  
 41763\_g\_at Cluster Incl. D64015:Homo sapiens mRNA for T-cluster binding protein,  
 32784\_at Cluster Incl. AB011108:Homo sapiens mRNA for KIAA0536 protein, partial  
 33394\_at Cluster Incl. AA034074:zi06c05.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 15 33120\_at Cluster Incl. AF045229:Homo sapiens regulator of G protein signaling 10

## METAGENE 408 :

- 36412\_s\_at Cluster Incl. U53831:Homo sapiens interferon regulatory factor 7B mRN  
 20 34491\_at Cluster Incl. AJ225089:Homo sapiens mRNA for 2-5 oligoadenylate synthe  
 38517\_at Cluster Incl. M87503:Human IFN-responsive transcription factor subunit  
 38549\_at Cluster Incl. AF026941:Homo sapiens cig5 mRNA, partial sequence /cds=UN  
 38584\_at Cluster Incl. AF026939:Homo sapiens CIG49 (cig49) mRNA, complete cds /c  
 39263\_at Cluster Incl. M87434:Human 71 kDa 25 oligoadenylate synthetase (p69 2-  
 25 41045\_at Cluster Incl. U77643:Homo sapiens K12 protein precursor mRNA, complete  
 31812\_at Cluster Incl. M24470:Human glucose-6-phosphate dehydrogenase, complete  
 32114\_s\_at Cluster Incl. S46950:adenosine A2 receptor [human, hippocampal, mRNA,  
 33236\_at Cluster Incl. AF060228:Homo sapiens retinoic acid receptor responder 3  
 35718\_at Cluster Incl. L22342:Human nuclear phosphoprotein mRNA, complete cds /c  
 30 36927\_at Cluster Incl. AB000115:Homo sapiens mRNA expressed in osteoblast, compl  
 37641\_at Cluster Incl. D28915:Human gene for hepatitis C-associated microtubular  
 38662\_at Cluster Incl. AL047596:DKFZp586G0421\_s1 Homo sapiens cDNA.  
 /clone=DKFZp5  
 39061\_at Cluster Incl. D28137:Human mRNA for BST-2, complete cds /cds=(9,551) /g  
 35 40505\_at Cluster Incl. AA883502:am25h07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41745\_at Cluster Incl. X57352:Human 1-8U gene from interferon-inducible gene fam  
 32775\_r\_at Cluster Incl. AB006746:Homo sapiens hMmTRA1b mRNA, complete cds /cds=  
 32814\_at Cluster Incl. M24594:Human interferon-inducible 56 Kd protein mRNA, com  
 37014\_at Cluster Incl. M33882:Human p78 protein mRNA, complete cds /cds=(345,233

- 37353\_g\_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complet  
 37360\_at Cluster Incl. U66711:Human Ly-6-related protein (9804) gene, complete c  
 38388\_at Cluster Incl. M11810:Human (2-5 ) oligo A synthetase E gene /cds=(0,120  
 38389\_at Cluster Incl. X04371:Human 1.6Kb mRNA for 2-5A synthetase induced by in  
 5 38432\_at Cluster Incl. AA203213:zx57e04.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 1358\_s\_at U22970 /FEATURE=mRNA#1 /DEFINITION=HSU22970 Human interferon-  
 inducible  
 1107\_s\_at M13755 /FEATURE=mRNA /DEFINITION=HUMIFN15K Human interferon-  
 induced 17  
 10 915\_at M24594 /FEATURE=mRNA /DEFINITION=HUMII56KD Human interferon-inducible 56  
 879\_at M30818 /FEATURE=mRNA /DEFINITION=HUMMXB Human interferon-induced  
 cellular  
 675\_at J04164 /FEATURE= /DEFINITION=HUM927A Human interferon-inducible protein 9  
 626\_s\_at L78833 /FEATURE=cds#5 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7  
 15 and valI g  
 464\_s\_at U72882 /FEATURE= /DEFINITION=HSU72882 Human interferon-induced  
 leucine  
 425\_at X67325 /FEATURE=cds /DEFINITION=HSP27 H.sapiens p27 mRNA  
 269\_at L40387 /FEATURE=cds /DEFINITION=HUMTRIP14G Homo sapiens thyroid receptor  
 20  
 METAGENE 409 :  
 33559\_at Cluster Incl. U61412:Human non-receptor type protein tyrosine kinase (P  
 38169\_s\_at Cluster Incl. U76368:Human cationic amino acid transporter-2A (ATRC2)  
 25 35174\_i\_at Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /  
 35729\_at Cluster Incl. AB018270:Homo sapiens mRNA for KIAA0727 protein, partial  
 37580\_at Cluster Incl. AF036271:Homo sapiens EEN-B2-L3 mRNA, complete cds /cds=(  
 1582\_at M29540 /FEATURE= /DEFINITION=HUMCEAF Human carcinoembryonic antigen  
 mRNA  
 30  
 METAGENE 410 :  
 34077\_at Cluster Incl. X95876:H.sapiens mRNA for G-protein coupled receptor /cds  
 36334\_at Cluster Incl. L42621:Homo sapiens Ly-9 mRNA, complete cds /cds=(0,1832)  
 35 38963\_i\_at Cluster Incl. U12707:Human Wiskott-Aldrich syndrome protein (WASP) mR  
 32646\_at Cluster Incl. AB007918:Homo sapiens mRNA for KIAA0449 protein, partial  
 33283\_at Cluster Incl. AF106941:Homo sapiens beta-arrestin 2 mRNA, complete cds  
 33804\_at Cluster Incl. U43522:Human cell adhesion kinase beta (CAKbeta) mRNA, co  
 36482\_s\_at Cluster Incl. Y15724:Homo sapiens SERCA3 gene, exons 1-7 (and joined

41166\_at Cluster Incl. X58529:Human rearranged immunoglobulin mRNA for mu heavy

METAGENE 411 :

- 5** 34180\_at Cluster Incl. AB002292:Human mRNA for KIAA0294 gene, complete cds /cds=  
 34354\_at Cluster Incl. M80634:Human keratinocyte growth factor receptor mRNA, co  
 35829\_at Cluster Incl. AL080181:Homo sapiens mRNA; cDNA DKFZp434O111 (from  
 clone  
 1970\_s\_at Z71929 /FEATURE=cds /DEFINITION=HSFGFR2MR H.sapiens FGFR2 mRNA  
**10** 1363\_at M87770 /FEATURE= /DEFINITION=HUMKSAMI Human fibroblast growth factor rec

METAGENE 412 :

- 37423\_at Cluster Incl. U30246:Human bumetanide-sensitive Na-K-Cl cotransporter (  
**15** 41362\_at Cluster Incl. X91249:H.sapiens mRNA for white gene protein /cds=(30,205  
 33723\_at Cluster Incl. AL049346:Homo sapiens mRNA; cDNA DKFZp566B213 (from  
 clone  
 34288\_at Cluster Incl. U67784:Human orphan G protein-coupled receptor (RDC1) mRN  
 34876\_at Cluster Incl. U65090:Human carboxypeptidase D mRNA, complete cds /cds=(  
**20** 37363\_at Cluster Incl. AB007889:Homo sapiens KIAA0429 mRNA, complete cds /cds=(2

METAGENE 413 :

- 40333\_at Cluster Incl. U43842:Homo sapiens bone morphogenetic protein-4 (hBMP-4)  
**25** 37609\_at Cluster Incl. U01833:Human nucleotide-binding protein mRNA, complete cd  
 38336\_at Cluster Incl. AB023230:Homo sapiens mRNA for KIAA1013 protein, partial  
 34311\_at Cluster Incl. X76648:H.sapiens mRNA for glutaredoxin /cds=(63,383) /gb=  
 34381\_at Cluster Incl. AI708889:as86g01.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1228\_s\_at U73682 /FEATURE= /DEFINITION=HSU73682 Human meningioma-expressed  
**30** antig  
 1114\_at M22490 /FEATURE= /DEFINITION=HUMBMP2B Human bone morphogenetic protein-2

METAGENE 414 :

- 35** 36692\_at Cluster Incl. AF052099:Homo sapiens clone 23632 mRNA sequence /cds=UNKN  
 40358\_at Cluster Incl. M57609:Human DNA-binding protein (GLI3) mRNA, complete cd  
 41049\_at Cluster Incl. S62539:insulin receptor substrate-1 [human, skeletal musc  
 37197\_s\_at Cluster Incl. AL050006:Homo sapiens mRNA; cDNA DKFZp564A033 (from clo  
 39441\_at Cluster Incl. Y11395:H.sapiens mRNA for p40 /cds=(104,1303) /gb=Y11395

- 39687\_at Cluster Incl. AI524873:promma-10.C03.r Homo sapiens cDNA, 5' end/clon
- 40133\_s\_at Cluster Incl. W28944:54h12 Homo sapiens cDNA /gb=W28944 /gi=1308955 /
- 33403\_at Cluster Incl. AL050260:Homo sapiens mRNA; cDNA DKFZp547E1010 (from clon
- 5** 872\_i\_atS62539 /FEATURE= /DEFINITION=S62539 insulin receptor substrate-1 [human
- 851\_s\_at S62539 /FEATURE= /DEFINITION=S62539 insulin receptor substrate-1 [human
- 744\_at D50487 /FEATURE= /DEFINITION=HUMHRH1 Human mRNA for RNA helicase (HRH1),
- 10** METAGENE 415 :
- 37471\_at Cluster Incl. U94317:Homo sapiens ribonuclease P protein subunit p40 (R
- 40364\_at Cluster Incl. U83460:Human high-affinity copper uptake protein (hCTR1)
- 41058\_g\_at Cluster Incl. AI760162:wg58e09.x1 Homo sapiens cDNA, 3' end /clone=IM
- 15** 41454\_at Cluster Incl. W27949:39h3 Homo sapiens cDNA /gb=W27949 /gi=1307897 /ug=
- 41670\_at Cluster Incl. R38263:yc92c11.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-
- 34755\_at Cluster Incl. AJ236876:Homo sapiens mRNA for poly(ADP-ribose) polymeras
- 35247\_at Cluster Incl. AI557062:PT2.1\_13\_A09.r Homo sapiens cDNA, 3' end /clone\_
- 36023\_at Cluster Incl. AI864120:wg64a06.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 20** 37174\_at Cluster Incl. D14660:Human mRNA for KIAA0104 gene, complete cds /cds=(3
- 37936\_at Cluster Incl. AI184802:qd24g04.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 39060\_at Cluster Incl. D38048:Human mRNA for proteasome subunit z, complete cds
- 39443\_s\_at Cluster Incl. M19961:Human cytochrome c oxidase subunit Vb (coxVb) mR
- 40788\_at Cluster Incl. U84371:Human adenylate kinase 2A (AK2A) mRNA, complete cd
- 25** 41213\_at Cluster Incl. X67951:H.sapiens mRNA for proliferation-associated gene (
- 33422\_at Cluster Incl. AF052155:Homo sapiens clone 24761 mRNA sequence /cds=UNKN
- 33433\_at Cluster Incl. AL049943:Homo sapiens mRNA; cDNA DKFZp564F0522 (from clon
- 36122\_at Cluster Incl. X59417:H.sapiens PROS-27 mRNA /cds=(62,802) /gb=X59417 /g
- 30** 36205\_at Cluster Incl. L04490:Homo sapiens (clone CC6) NADH-ubiquinone oxidoredu
- 36639\_at Cluster Incl. AF067853:Homo sapiens adenylosuccinate lyase (ADSL) mRNA,
- 36676\_at Cluster Incl. AL031659:dJ343K2.2.1 (ribophorin II (isoform 1)) /cds=(28
- 36687\_at Cluster Incl. N50520:yy89b05.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-
- 36978\_at Cluster Incl. D38521:Human mRNA for KIAA0077 gene, partial cds /cds=(0,
- 35** 37325\_at Cluster Incl. D14697:Human mRNA for KIAA0003 gene, complete cds /cds=(1
- 37337\_at Cluster Incl. AI803447:tc39g04.x1 Homo sapiens cDNA, 3' end /clone=IMAG
- 37666\_at Cluster Incl. D29011:Human mRNA for proteasome subunit X, complete cds
- 38060\_at Cluster Incl. AI541336:pec1.2-7.A07.r Homo sapiens cDNA, 5' end /clone\_
- 38744\_at Cluster Incl. N95406:zb80g12.s1 Homo sapiens cDNA, 3' end /clone=IMAGE-

40979\_at Cluster Incl. AJ243310:Homo sapiens mRNA for C14orf3 protein /cds=(131,  
 32529\_at Cluster Incl. X69910:H.sapiens p63 mRNA for transmembrane protein /cds=  
 372\_f\_atZ84718 /FEATURE=cds#2 /DEFINITION=HS322B1 Human DNA sequence from clone

## 5 METAGENE 416 :

32914\_f\_at Cluster Incl. AC005175:Homo sapiens chromosome 19, cosmid R31449 /cds  
 36537\_at Cluster Incl. AB011093:Homo sapiens mRNA for KIAA0521 protein, partial  
 33360\_at Cluster Incl. AB023221:Homo sapiens mRNA for KIAA1004 protein, partial  
 10 34833\_at Cluster Incl. AL050157:Homo sapiens mRNA; cDNA DKFZp586O0120 (from  
 clon  
 38828\_s\_at Cluster Incl. AA628946:af28f05.s1 Homo sapiens cDNA, 3 end /clone=IM  
 38829\_r\_at Cluster Incl. AA628946:af28f05.s1 Homo sapiens cDNA, 3 end /clone=IM  
 32579\_at Cluster Incl. U29175:Human transcriptional activator (BRG1) mRNA, compl  
 15 1295\_at L19067 /FEATURE= /DEFINITION=HUMNFKB65A Human NF-kappa-B transcription f

## METAGENE 417 :

39964\_at Cluster Incl. AJ007590:Homo sapiens mRNA for XRP2 protein /cds=(172,122  
 20 34668\_at Cluster Incl. D88152:Homo sapiens mRNA for acetyl-coenzyme A transporte  
 36081\_s\_at Cluster Incl. AB004848:Homo sapiens mRNA expressed in placenta, clone  
 36657\_at Cluster Incl. AA883870:am26f01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38774\_at Cluster Incl. U77942:Human syntaxin 7 mRNA, complete cds /cds=(79,864)  
 40568\_at Cluster Incl. L35249:Homo sapiens vacuolar H<sup>+</sup>-ATPase Mr 56,000 subunit  
 25 40571\_at Cluster Incl. U90942:Human myosin heavy chain 12 (MYO5A) mRNA, complete  
 40612\_at Cluster Incl. AB029040:Homo sapiens mRNA for KIAA1117 protein, partial  
 32578\_at Cluster Incl. AW005997:wz91c01.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 33180\_at Cluster Incl. U68111:Human protein phosphatase inhibitor 2 (PPP1R2) gen  
 950\_at D87127 /FEATURE= /DEFINITION=D87127 Homo sapiens mRNA for translocation p

30

## METAGENE 418 :

32426\_f\_at Cluster Incl. M77481:Human antigen (MAGE-1) gene, complete cds /cds=(  
 34148\_at Cluster Incl. AJ012611:Homo sapiens mRNA for SIX3 protein /cds=(207,120  
 35 34539\_at Cluster Incl. AF065854:Homo sapiens OR7E12P pseudogene, complete sequen  
 36302\_f\_at Cluster Incl. U10688:Human MAGE-4b antigen (MAGE4b) gene, complete cd  
 33249\_at Cluster Incl. M16801:Human mineralocorticoid receptor mRNA (hMR), compl  
 37554\_at Cluster Incl. U62801:Human protease M mRNA, complete cds /cds=(245,979)  
 40107\_at Cluster Incl. AF054987:Homo sapiens clone 23831 aldolase C mRNA, comple



34367\_at Cluster Incl. AF006043:Homo sapiens 3-phosphoglycerate dehydrogenase mR  
 35369\_at Cluster Incl. AB023154:Homo sapiens mRNA for KIAA0937 protein, partial  
 37320\_at Cluster Incl. D14694:Human mRNA for KIAA0024 gene, complete cds /cds=(1  
 33203\_s\_at Cluster Incl. U59831:Human transcription factor, forkhead related act

5

## METAGENE 419 :

35601\_at Cluster Incl. L00022:Human Ig active epsilon1 5 UT, V-D-J region subgro  
 38377\_at Cluster Incl. U47742:Human monocytic leukaemia zinc finger protein (MOZ

10

## METAGENE 420 :

31722\_at Cluster Incl. AL022326:dJ333H23.1.1 (60S Ribosomal Protein L3) /cds=(6,  
 36894\_at Cluster Incl. AL031846:dJ742C19.5 (novel Chromobox protein) /cds=(89,84  
 15 39798\_at Cluster Incl. R87876:yo45h01.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 41236\_at Cluster Incl. U79252:Human clone 23679 mRNA, complete cds /cds=(973,144  
 41746\_at Cluster Incl. Z83840:Human DNA sequence from clone 216E10 on chromosome  
 32744\_at Cluster Incl. AI526078:DU3.2-7.G08.r Homo sapiens cDNA, 5 end /clone\_e  
 32766\_at Cluster Incl. Z83840:Human DNA sequence from clone 216E10 on chromosome  
 20 33868\_at Cluster Incl. Z93241:dJ222E13.3.2 (PUTATIVE partial isoform 2) /cds=(0,  
 34302\_at Cluster Incl. U96074:Human translation initiation factor eIF3 p44 subun  
 34837\_at Cluster Incl. AB002374:Human mRNA for KIAA0376 gene, partial cds /cds=(  
 34849\_at Cluster Incl. X91257:H.sapiens mRNA for seryl-tRNA synthetase /cds=(75,  
 34866\_at Cluster Incl. AF055029:Homo sapiens clone 24711 mRNA sequence /cds=UNKN  
 25 35298\_at Cluster Incl. U54558:Homo sapiens translation initiation factor eIF3 p6  
 35336\_at Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso  
 38053\_s\_at Cluster Incl. AF015767:Homo sapiens brain and reproductive organ-expr  
 39916\_r\_at Cluster Incl. J02984:Human insulinoma rig-analog mRNA encoding DNA-bi

## 30 METAGENE 421 :

35402\_at Cluster Incl. AF068868:Homo sapiens TNFR-related death receptor-6 (DR6)  
 34793\_s\_at Cluster Incl. M22299:Human T-plastin polypeptide mRNA, complete cds,  
 1388\_g\_at J03258 /FEATURE=mRNA /DEFINITION=HUMVDR Human vitamin D receptor  
 35 mRNA,

## METAGENE 422 :

31739\_at Cluster Incl. AA977513:on60e11.s1 Homo sapiens cDNA, 3 end /clone=IMAG

- 38889\_at Cluster Incl. AF104304:Homo sapiens Smad anchor for receptor activation
- 39682\_at Cluster Incl. X87159:H.sapiens mRNA for beta subunit of epithelial amil
- 34719\_at Cluster Incl. AB020645:Homo sapiens mRNA for KIAA0838 protein, complete
- 35650\_at Cluster Incl. AB002354:Human mRNA for KIAA0356 gene, complete cds /cds=
- 5 35673\_at Cluster Incl. U02082:Human guanine nucleotide regulatory protein (tim1)
- 38669\_at Cluster Incl. D86959:Human mRNA for KIAA0204 gene, complete cds /cds=(5
- 39758\_f\_at Cluster Incl. J04182:Homo sapiens lysosomal membrane glycoprotein-1 (
- 39787\_at Cluster Incl. AB029821:Homo sapiens mRNA for phosphatidylethanolamine N
- 41207\_at Cluster Incl. AF043897:Homo sapiens C90RF3 large isoform, mRNA sequence
- 10 32764\_at Cluster Incl. AI796048:wh41g06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32768\_at Cluster Incl. AL048308:DKFZp586A2224\_s1 Homo sapiens cDNA
- /clone=DKFZp5
- 33342\_at Cluster Incl. AF039029:Homo sapiens snurportin1 mRNA, complete cds /cds
- 34413\_at Cluster Incl. AF038203:Homo sapiens clone 23596 mRNA sequence /cds=UNKN
- 15 36121\_at Cluster Incl. AB028988:Homo sapiens mRNA for KIAA1065 protein, complete
- 37367\_at Cluster Incl. X76228:H.sapiens mRNA for vacuolar H+ ATPase E subunit /c
- 37654\_at Cluster Incl. D31764:Human mRNA for KIAA0064 gene, complete cds /cds=(2
- 37739\_at Cluster Incl. M86737:Human high mobility group box (SSRP1) mRNA, comple
- 38477\_at Cluster Incl. S81752:DPH2L=candidate tumor suppressor gene {ovarian can
- 20 38817\_at Cluster Incl. AF047437:Homo sapiens sperm acrosomal protein mRNA, compl
- 41332\_at Cluster Incl. D38251:Homo sapiens mRNA for RPB5 (XAP4), complete cds /c
- 1348\_s\_at S79219 /FEATURE= /DEFINITION=S79219 metastasis-associated gene [human,
- 999\_at X59812 /FEATURE=cds /DEFINITION=HSVD3HYD H.sapiens CYP 27 mRNA for
- vitami
- 25 506\_s\_at U43185 /FEATURE= /DEFINITION=HSU43185 Human signal transducer and
- activ

## METAGENE 423 :

- 30 37794\_at Cluster Incl. AF035281:Homo sapiens clone 23903 mRNA sequence /cds=UNKN
- 38197\_at Cluster Incl. M64934:Human kell blood group protein mRNA /cds=(123,2321
- 39638\_at Cluster Incl. S73885:AP-4=basic helix-loop-helix DNA-binding protein [h
- 39684\_at Cluster Incl. U37707:Human dl3 mRNA, complete cds /cds=(336,2093) /gb=
- 40371\_at Cluster Incl. X51362:Human mRNA for dopamine D2 receptor /cds=(165,1496
- 35 41071\_at Cluster Incl. X57655:H.sapiens RNA for acrosin-trypsin inhibitor (HUSI-
- 41387\_r\_at Cluster Incl. AB002344:Human mRNA for KIAA0346 gene, partial cds /cds
- 41863\_at Cluster Incl. AF070623:Homo sapiens clone 24468 mRNA sequence /cds=UNKN
- 34238\_at Cluster Incl. AB002362:Human mRNA for KIAA0364 gene, complete cds /cds=
- 35145\_at Cluster Incl. X96401:H.sapiens mRNA for ROX protein /cds=(212,1960) /gb

	36552_at	Cluster Incl. AL080220:Homo sapiens mRNA; cDNA DKFZp586P0123 (from clon
	40092_at	Cluster Incl. AB002312:Human mRNA for KIAA0314 gene, partial cds /cds=(
	40777_at	Cluster Incl. X87838:H.sapiens mRNA for beta-catenin /cds=(214,2559) /g
5	35755_at	Cluster Incl. U51336:Human inositol 1,3,4-trisphosphate 5/6-kinase mRNA
	39161_at	Cluster Incl. AF052093:Homo sapiens clone 23685 mRNA sequence /cds=UNKN
	40207_g_at	Cluster Incl. AI767675:wh38d11.x1 Homo sapiens cDNA, 3 end /clone=IM
	41483_s_at	Cluster Incl. X56681:Human junD mRNA /cds=(174,1217) /gb=X56681 /gi=3
	1612_s_at	X56681 /FEATURE=mRNA /DEFINITION=HSJUNDR Human junD mRNA
10		METAGENE 424 :
	38233_at	Cluster Incl. AF093265:Homo sapiens homer-3 mRNA, complete cds /cds=(90
	38599_s_at	Cluster Incl. AD001530:Homo sapiens XAP-5 mRNA, complete cds /cds=(75
15	38956_at	Cluster Incl. AF052111:Homo sapiens clone 23953 mRNA sequence /cds=UNKN
	39307_s_at	Cluster Incl. X81637:H.sapiens clathrin light chain b gene /cds=UNKNO
	32632_g_at	Cluster Incl. J03060:Human glucocerebrosidase (GCB) gene /cds=(229,17
	33294_at	Cluster Incl. D29958:Human mRNA for KIAA0116 gene, partial cds /cds=(0,
	33319_at	Cluster Incl. AF009674:Homo sapiens axin (AXIN) mRNA, partial cds /cds=
20	33745_at	Cluster Incl. M31606:Human phosphorylase kinase (PSK-C3) mRNA, complete
	35206_at	Cluster Incl. AF049105:Homo sapiens centrosomal Nek2-associated protein
	36463_at	Cluster Incl. AB020680:Homo sapiens mRNA for KIAA0873 protein, partial
	36485_at	Cluster Incl. U85647:Homo sapiens small optic lobes homolog (SOLH) mRNA
	36500_at	Cluster Incl. AF027974:Homo sapiens clone LM1955 H105e3 gene, partial c
25	36870_at	Cluster Incl. AB018347:Homo sapiens mRNA for KIAA0804 protein, partial
	36880_at	Cluster Incl. U07736:Human quinone oxidoreductase2 (NQO2) gene /cds=(27
	37214_g_at	Cluster Incl. X90392:H.sapiens mRNA for DNase X gene /cds=(794,1702)
	38007_at	Cluster Incl. L11353:Human moesin-ezrin-radixin-like protein mRNA, comp
	38623_at	Cluster Incl. AI014538:ou40e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	38709_at	Cluster Incl. D80009:Human mRNA for KIAA0187 gene, complete cds /cds=(2
	40070_at	Cluster Incl. D50912:Human mRNA for KIAA0122 gene, partial cds /cds=(0,
	41172_at	Cluster Incl. AA126515:zn85c12.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32211_at	Cluster Incl. AB009398:Homo sapiens mRNA for 26S proteasome subunit p40
	32774_at	Cluster Incl. AI541050:pec1.2-1.E08.r Homo sapiens cDNA, 5 end /clone_
35	34787_at	Cluster Incl. X93209:H.sapiens mRNA for NRD1 convertase /cds=UNKNOWN /g
	34880_at	Cluster Incl. AC002115:Human DNA from overlapping chromosome 19 cosmids
	36651_at	Cluster Incl. X15525:H.sapiens lysosomal acid phosphatase gene (EC 3.1.
	38043_at	Cluster Incl. X55448:H.sapiens G6PD gene for glucose-6-phosphate dehydr
	38830_at	Cluster Incl. U66685:HSU66685 Homo sapiens cDNA /gb=U66685 /gi=1906570

- 39519\_at Cluster Incl. AB014592:Homo sapiens mRNA for KIAA0692 protein, partial  
 40905\_s\_at Cluster Incl. AL050369:Homo sapiens mRNA; cDNA DKFZp566J153 (from clo  
 40923\_at Cluster Incl. AA290994:zs45d07.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 41805\_g\_at Cluster Incl. W80358:zh49a07.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
**5** 32584\_at Cluster Incl. D38047:Human mRNA for 26S proteasome subunit p31, complet  
 1324\_at U53174 /FEATURE= /DEFINITION=HSU53174 Human cell cycle checkpoint contro  
 101\_at Y09305 /FEATURE=cds /DEFINITION=HSDYRK4 H.sapiens mRNA for protein kinase

## METAGENE 425 :

**10**

- 33034\_at Cluster Incl. Y17108:Homo sapiens mRNA for rhomboid-related protein, co  
 35381\_at Cluster Incl. AL080127:Homo sapiens mRNA; cDNA DKFZp434C013 (from  
 clone  
 37114\_at Cluster Incl. L32832:Homo sapiens zinc finger homeodomain protein (ATBF  
**15** 37490\_at Cluster Incl. L27213:Homo sapiens anion exchange protein mRNA, complete  
 37529\_at Cluster Incl. AF051946:Homo sapiens T-type calcium channel alpha-1 subu  
 38221\_at Cluster Incl. AF100153:Homo sapiens connector enhancer of KSR-like prot  
 41610\_at Cluster Incl. AB011105:Homo sapiens mRNA for KIAA0533 protein, partial  
 41657\_at Cluster Incl. AF035625:Homo sapiens serine threonine kinase 11 (STK11)  
**20** 41705\_at Cluster Incl. U69198:U69198 Homo sapiens cDNA /clone=c-32h10 /gb=U69198  
 31846\_at Cluster Incl. AW003733:ws16b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32137\_at Cluster Incl. AF029778:Homo sapiens Jagged2 (JAG2) mRNA, complete cds /  
 33269\_at Cluster Incl. AB003723:Homo sapiens mRNA for GPII, complete cds /cds=(1  
 34287\_at Cluster Incl. AB023175:Homo sapiens mRNA for KIAA0958 protein, partial  
**25** 34726\_at Cluster Incl. U07139:Human voltage-gated calcium channel beta subunit m  
 34769\_at Cluster Incl. U82535:Human fatty acid amide hydrolase mRNA, complete cd  
 35671\_at Cluster Incl. U02619:Human TFIIC Box B-binding subunit mRNA, complete  
 37931\_at Cluster Incl. X05299:Human mRNA (~95%) for major centromere autoantigen  
 37970\_at Cluster Incl. AB028989:Homo sapiens mRNA for KIAA1066 protein, partial  
**30** 37996\_s\_at Cluster Incl. L08835:Homo sapiens DMR-N9, partial cds; and myotonic d  
 38725\_s\_at Cluster Incl. N36295:yx99b12.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 39803\_s\_at Cluster Incl. U84570:Human A2 mRNA, complete cds /cds=(239,883) /gb=U  
 40116\_at Cluster Incl. X15573:Human liver-type 1-phosphofructokinase (PFKL) mRNA  
 40451\_at Cluster Incl. AL080203:Homo sapiens mRNA; cDNA DKFZp434F222 (from  
**35** clone  
 32837\_at Cluster Incl. U56418:Human lysophosphatidic acid acyltransferase-beta m  
 33824\_at Cluster Incl. X74929:H.sapiens KRT8 mRNA for keratin 8 /cds=(59,1510) /  
 33900\_at Cluster Incl. U76702:Homo sapiens follistatin-related protein FLRG (FLR  
 33903\_at Cluster Incl. AB007144:Homo sapiens mRNA for ZIP-kinase, complete cds /

- 33929\_at Cluster Incl. X54232:Human mRNA for heparan sulfate proteoglycan (glypi  
 35763\_at Cluster Incl. AB011112:Homo sapiens mRNA for KIAA0540 protein, partial  
 35828\_at Cluster Incl. D42123:Homo sapiens mRNA for ESP1/CRP2, complete cds /cds  
 36136\_at Cluster Incl. AF010315:Homo sapiens Pig11 (PIG11) mRNA, complete cds /c  
 5 36152\_at Cluster Incl. X79353:H.sapiens XAP-4 mRNA for GDP-dissociation inhibito  
 36183\_at Cluster Incl. X86779:H.sapiens mRNA for FAST kinase /cds=(21,1670) /gb=  
 36670\_at Cluster Incl. L26339:Human autoantigen mRNA, complete cds /cds=(136,378  
 37368\_at Cluster Incl. AA292277:zt51a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 38021\_at Cluster Incl. U53204:Human plectin (PLEC1) mRNA, complete cds /cds=(51,  
 10 38069\_at Cluster Incl. Z67743:H.sapiens mRNA for CLC-7 chloride channel protein  
 38813\_at Cluster Incl. X75621:Homo sapiens TSC2 mRNA for tuberin /cds=(18,5441)  
 39832\_at Cluster Incl. AL096723:Homo.sapiens mRNA; cDNA DKFZp564H2023 (from  
 clon  
 39918\_at Cluster Incl. AF042379:Homo sapiens spindle pole body protein spc97 hom  
 15 40235\_at Cluster Incl. L13738:Human activated p21cdc42Hs kinase (ack) mRNA, comp  
 40580\_r\_at Cluster Incl. M24398:Human parathymosin mRNA, complete cds /cds=(300,  
 41306\_at Cluster Incl. AA004795:zh96a06.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1395\_at L25081 /FEATURE= /DEFINITION=HUMRHOCA Homo sapiens GTPase (rhoC) mRNA,  
 c  
 20 1270\_at M64788 /FEATURE= /DEFINITION=HUMRAP1GAP Human GTPase activating protein  
 897\_at L33243 /FEATURE=mRNA /DEFINITION=HUMPKD1A Homo sapiens polycystic kidney  
 884\_at M59911 /FEATURE= /DEFINITION=HUMINTA3A Human integrin alpha-3 chain  
 mRNA,  
 721\_g\_at D87673 /FEATURE= /DEFINITION=D87673 Homo sapiens mRNA for heat  
 25 shock tr

## METAGENE 426 :

- 39306\_at Cluster Incl. AF052514:Homo sapiens thymus specific serine peptidase mR  
 30 37558\_at Cluster Incl. U97188:Homo sapiens putative RNA binding protein KOC (koc  
 40913\_at Cluster Incl. W28589:48h12 Homo sapiens cDNA /gb=W28589 /gi=1308537 /ug  
 1386\_at M83738 /FEATURE= /DEFINITION=HUMPTPSA Human protein-tyrosine phosphatase

## METAGENE 427 :

35

- 31859\_at Cluster Incl. J05070:Human type IV collagenase mRNA, complete cds /cds=

## METAGENE 428 :

- 36403\_s\_at Cluster Incl. AI434146:ti36g07.x1 Homo sapiens cDNA, 3 end /clone=IM
- 38862\_at Cluster Incl. Y11215:Homo sapiens mRNA for SKAP55 protein /cds=(70,1149
- 41442\_at Cluster Incl. AB010419:Homo sapiens mRNA for MTG8-related protein MTG16
- 41443\_at Cluster Incl. U63127:Human SEC7 homolog Tic (TIC) mRNA, complete cds /c
- 5 34223\_at Cluster Incl. M59818:Human granulocyte colony-stimulating factor recept
- 35147\_at Cluster Incl. AB002360:Human mRNA for KIAA0362 gene, partial cds /cds=(
- 35626\_at Cluster Incl. U30894:Human N-sulphoglucosamine sulphohydrolase mRNA, co
- 38342\_at Cluster Incl. D87076:Human mRNA for KIAA0239 gene, partial cds /cds=(0,
- 41130\_at Cluster Incl. Y08698:H.sapiens mRNA for RanBP3 (59 kDa) /cds=(20,1708)
- 10 41222\_at Cluster Incl. AF067575:untitled /cds=(21,2564) /gb=AF067575 /gi=3789867
- 32145\_at Cluster Incl. X58141:Human mRNA for erythrocyte adducin alpha subunit /
- 35852\_at Cluster Incl. AB014558:Homo sapiens mRNA for KIAA0658 protein, partial
- 39130\_at Cluster Incl. AB018313:Homo sapiens mRNA for KIAA0770 protein, partial
- 40225\_at Cluster Incl. D88435:Homo sapiens mRNA for HsGAK, complete cds /cds=(0,
- 15 32591\_at Cluster Incl. AI494623:qz17b06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 1294\_at L13852 /FEATURE= /DEFINITION=HUME1URP Homo sapiens ubiquitin-activating
- 1134\_at L13738 /FEATURE=mRNA /DEFINITION=HUMNRTYKIN Human activated
- p21cdc42Hs k
- 816\_g\_at U70987 /FEATURE= /DEFINITION=HSU70987 Human GAP binding protein
- 20 p62dok
- 596\_s\_at M59820 /FEATURE=mRNA /DEFINITION=HUMGCSFR3 Human granulocyte
- colony-sti
- 453\_at U66616 /FEATURE= /DEFINITION=HSU66616 Human SWI/SNF complex 170 KDa
- subun
- 25
- METAGENE 429 :
- 38555\_at Cluster Incl. AB026436:Homo sapiens mRNA for dual specificity phosphata
- 41696\_at Cluster Incl. AI620381:tu94d05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 30 31864\_at Cluster Incl. X98263:H.sapiens mRNA for M-phase phosphoprotein, mpp6 /c
- 32044\_at Cluster Incl. D13635:Human mRNA for KIAA0010 gene, complete cds /cds=(3
- 34230\_r\_at Cluster Incl. D84454:Human mRNA for UDP-galactose translocator, compl
- 34737\_at Cluster Incl. AF058718:Homo sapiens putative 13 S Golgi transport compl
- 36489\_at Cluster Incl. D00860:Homo sapiens mRNA for phosphoribosyl pyrophosphate
- 35 39023\_at Cluster Incl. AF020038:Homo sapiens NADP-dependent isocitrate dehydroge
- 40082\_at Cluster Incl. D10040:Homo sapiens mRNA for long-chain acyl-CoA syntheta
- 40509\_at Cluster Incl. J04058:Human electron transfer flavoprotein alpha-subunit
- 41139\_at Cluster Incl. W26633:34b1 Homo sapiens cDNA /gb=W26633 /gi=1307476 /ug=
- 33369\_at Cluster Incl. AI535653:P9-C4.T3.P9.D4 Homo sapiens cDNA, 3 end /clone\_

- 33849\_at Cluster Incl. U02020:Human pre-B cell enhancing factor (PBEF) mRNA, com  
 36607\_at Cluster Incl. Z99716:bK250D10.5 (alpha-N-acetylgalactosaminidase) /cds=  
 36677\_at Cluster Incl. X70476:H.sapiens subunit of coatomer complex /cds=(68,278  
 36985\_at Cluster Incl. X17025:Human homolog of yeast IPP isomerase /cds=(50,736)  
**5** 37692\_at Cluster Incl. AI557240:PT2.1\_15\_C11.r Homo sapiens cDNA, 3 end/clone\_  
 1039\_s\_at U22431 /FEATURE= /DEFINITION=HSU22431 Human hypoxia-inducible factor  
 1  
 955\_at Calmodulin Type I  
 837\_s\_at U43944 /FEATURE= /DEFINITION=HSU43944 Human breast cancer cytosolic  
**10** NAD  
 589\_at M32313 /FEATURE=mRNA /DEFINITION=HUM5AR Human steroid 5-alpha-reductase  
 m  
 223\_at S81003 /FEATURE= /DEFINITION=S81003 L-UBC=ubiquitin conjugating enzyme [h  
  
**15** METAGENE 430 :  
  
 31927\_s\_at Cluster Incl. D86062:Human mRNA for KNP-Ib, complete cds /cds=(18,731  
 37890\_at Cluster Incl. X69398:H.sapiens mRNA for OA3 antigenic surface determina  
 41198\_at Cluster Incl. AF055008:Homo sapiens clone 24720 epithelin 1 and 2 mRNA,  
**20** 36630\_at Cluster Incl. Z50781:H.sapiens mRNA for leucine zipper protein /cds=(13  
 36945\_at Cluster Incl. X94910:Homo sapiens mRNA for ERp28 protein /cds=(11,796)  
 38391\_at Cluster Incl. M94345:Homo sapiens macrophage capping protein mRNA, comp  
 41551\_at Cluster Incl. AW044624:wy78c04.x1 Homo sapiens cDNA, 3 end/clone=IMAG  
 41552\_g\_at Cluster Incl. AW044624:wy78c04.x1 Homo sapiens cDNA, 3 end/clone=IM  
**25** 1315\_at D78361 /FEATURE= /DEFINITION=HUMODAZ Human mRNA for ornithine decarboxyl  
 1267\_at M55284 /FEATURE= /DEFINITION=HUMPKCL Human protein kinase C-L (PRKCL)  
 mR  
 677\_s\_at J04430 /FEATURE=mRNA /DEFINITION=HUMACP5 Human tartrate-resistant  
 acid  
**30**  
 METAGENE 431 :  
  
 31627\_f\_at Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp  
 41701\_at Cluster Incl. X72177:H.sapiens C6 gene, exon 1 /cds=(20,2824) /gb=X7217  
**35** 35182\_f\_at Cluster Incl. W25874:14e9 Homo sapiens cDNA /gb=W25874 /gi=1306015 /u  
 33142\_at Cluster Incl. AF034633:Homo sapiens orphan G protein-coupled receptor (  
 2060\_at M13995 /FEATURE=mRNA /DEFINITION=HUMBCL2B Human B-cell  
 leukemia/lymphoma  
 258\_at M16441 /FEATURE=cds#1 /DEFINITION=HUMTNFAB Human tumor necrosis factor an

## METAGENE 432 :

- 32089\_at Cluster Incl. AF079363:Homo sapiens sperm flagellar protein Repro-SA-1  
**5** 35230\_at Cluster Incl. AF070530:Homo sapiens clone 24751 unknown mRNA /cds=(0,12  
 40626\_at Cluster Incl. AI693193:wd68f02.x1 Homo sapiens cDNA, 3 end /clone=IMAG

## METAGENE 433 :

- 10** 31736\_at Cluster Incl. AA975427:og28g02.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 33035\_at Cluster Incl. AL021397:dJ69E11.3 (Yeast YPR037W and worm C02C2.6 predic  
 33661\_at Cluster Incl. U66589:Human ribosomal protein L5 pseudogene mRNA, comple  
 35579\_at Cluster Incl. AB014524:Homo sapiens mRNA for KIAA0624 protein, partial  
 36707\_s\_at Cluster Incl. X89059:H.sapiens mRNA for unknown protein expressed in  
**15** 37156\_at Cluster Incl. AF070641:Homo sapiens clone 24421 mRNA sequence /cds=UNKN  
 37506\_at Cluster Incl. Z78308:HSZ78308 Homo sapiens cDNA /clone=1.47-(CEPH) /gb=  
 38568\_at Cluster Incl. U82939:Homo sapiens p53 binding protein mRNA, complete cd  
 39637\_at Cluster Incl. U14528:Human sulfate transporter (DTD) mRNA, complete cds  
 39969\_at Cluster Incl. AA255502:zr85b06.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
**20** 40701\_at Cluster Incl. U75362:Homo sapiens isopeptidase T-3 (ISOT-3) mRNA, compl  
 41438\_at Cluster Incl. AL049923:Homo sapiens mRNA; cDNA DKFZp547E2210 (from  
 clon  
 41465\_at Cluster Incl. AJ236885:Homo sapiens mRNA for ZBP-89 protein /cds=(391,2  
 41466\_s\_at Cluster Incl. L04282:Human CACCC box-binding protein mRNA, complete c  
**25** 41612\_at Cluster Incl. AB007872:Homo sapiens KIAA0412 mRNA, partial cds /cds=(36  
 31867\_at Cluster Incl. AF052174:Homo sapiens clone 24630 mRNA sequence /cds=UNKN  
 32127\_at Cluster Incl. U90030:Homo sapiens bicaudal-D (BICD) mRNA, alternatively  
 33805\_at Cluster Incl. AB007949:Homo sapiens mRNA for KIAA0480 protein, complete  
 34278\_at Cluster Incl. L18960:Human protein synthesis factor (eIF-4C) mRNA, comp  
**30** 34684\_at Cluster Incl. L36140:Homo sapiens (clone 1311) DNA helicase (RECQL) mRN  
 35211\_at Cluster Incl. L07590:Human protein phosphatase 2A 130 kDa regulatory su  
 35632\_at Cluster Incl. U26710:Human cbl-b mRNA, complete cds /cds=(322,3270) /gb  
 36002\_at Cluster Incl. AB023229:Homo sapiens mRNA for KIAA1012 protein, complete  
 36054\_at Cluster Incl. AB020699:Homo sapiens mRNA for KIAA0892 protein, partial  
**35** 37535\_at Cluster Incl. M27691:Human transactivator protein (CREB) mRNA, complete  
 37984\_s\_at Cluster Incl. M57763:Human ADP-ribosylation factor (hARF6) mRNA, comp  
 38986\_at Cluster Incl. Z49835:H.sapiens mRNA for protein disulfide isomerase /cd  
 39419\_at Cluster Incl. AB011088:Homo sapiens mRNA for KIAA0516 protein, partial  
 39794\_at Cluster Incl. D29956:Human mRNA for KIAA0055 gene, complete cds /cds=(3



- 40105\_at Cluster Incl. M65131:Human methylmalonyl-CoA mutase (MCM) mRNA, complet
- 40463\_at Cluster Incl. U70322:Human transportin (TRN) mRNA, complete cds /cds=(9
- 40464\_g\_at Cluster Incl. U70322:Human transportin (TRN) mRNA, complete cds /cds=
- 5** 32802\_at Cluster Incl. AB011169:Homo sapiens mRNA for KIAA0597 protein, partial
- 33418\_at Cluster Incl. AL096752:Homo sapiens mRNA; cDNA DKFZp434A012 (from clone
- 35373\_at Cluster Incl. M61906:Human P13-kinase associated p85 mRNA sequence /cds
- 36944\_f\_at Cluster Incl. U72621:Human LOT1 mRNA, complete cds /cds=(657,2048) /g
- 10** 37661\_at Cluster Incl. J04027:Human plasma membrane Ca<sup>2+</sup> pumping ATPase mRNA, co
- 38368\_at Cluster Incl. U31930:Human deoxyuridine nucleotidohydrolase mRNA, compl
- 38765\_at Cluster Incl. AB028449:Homo sapiens mRNA for Helicase-MOI, complete cds
- 40217\_s\_at Cluster Incl. U65887:Human CDP-diacylglycerol synthase mRNA, complete
- 40260\_g\_at Cluster Incl. AL009266:H. sapiens cDNA similar to C. elegans RNA bind
- 15** 40604\_at Cluster Incl. Y13493:Homo sapiens mRNA for protein kinase Dyrk2 /cds=(3
- 1818\_at Ras-Like Protein Tc10
- 1785\_at S66431 /FEATURE= /DEFINITION=S66431 RBP2=retinoblastoma binding protein
- 1602\_at L33881 /FEATURE= /DEFINITION=HUMPKCI Human protein kinase C iota isoform
- 1603\_g\_at L33881 /FEATURE= /DEFINITION=HUMPKCI Human protein kinase C iota
- 20** isofo
- 1329\_s\_at U74382 /FEATURE= /DEFINITION=HSU74382 Human telomeric repeat DNA-bindi
- 1269\_at M61906 /FEATURE= /DEFINITION=HUMP13KIN Human P13-kinase associated p85 m
- 930\_at L07590 /FEATURE= /DEFINITION=HUMPP2A130 Human protein phosphatase 2A 130
- 25** 877\_at M27691 /FEATURE= /DEFINITION=HUMCREB Human transactivator protein (CREB)
- 663\_at L18960 /FEATURE= /DEFINITION=HUMEIF4C Human protein synthesis factor (eIF
- 514\_at U26710 /FEATURE= /DEFINITION=HSU26710 Human cbl-b mRNA, complete cds
- 462\_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3 mRNA, com
- 274\_at L04282 /FEATURE= /DEFINITION=HUMTB Human CACCC box-binding protein
- 30** mRNA,
- METAGENE 434 :
- 34933\_at Cluster Incl. AJ238381:Homo sapiens pax9 gene, exons 1-2 and joined CDS
- 35** 41496\_at Cluster Incl. AL050189:Homo sapiens mRNA; cDNA DKFZp586B0323 (from clon
- 1735\_g\_at M60556 /FEATURE=mRNA#1 /DEFINITION=HUMTGFB3B Human transforming growth

## METAGENE 435 :

- 35027\_at Cluster Incl. X14830:Human mRNA for muscle acetylcholine receptor beta-  
 32957\_g\_at Cluster Incl. AC002550:Human Chromosome 16 BAC clone CIT987SK-A-101F1  
 5 34197\_at Cluster Incl. X80907:H.sapiens mRNA for p85 beta subunit of phosphatidy  
 35361\_at Cluster Incl. W28299:44h4 Homo sapiens cDNA /gb=W28299 /gi=1308247 /ug=  
 38482\_at Cluster Incl. AJ011497:Homo sapiens mRNA for Claudin-7 /cds=(334,969) /  
 40275\_at Cluster Incl. AL046322:DKFZp434I087\_r1 Homo sapiens cDNA, 5 end /clone  
 41550\_at Cluster Incl. AF091071:Homo sapiens clone 192 Rer1 mRNA, complete cds /  
 10 1939\_at M22898 /FEATURE=mRNA /DEFINITION=HUMP53A11 Human phosphoprotein p53  
 gene  
 1826\_at M12174 /FEATURE= /DEFINITION=HUMRHOA Human ras-related rho mRNA (clone 6  
 388\_at X80907 /FEATURE= /DEFINITION=HSPHOSINK H.sapiens mRNA for p85 beta subuni

## 15 METAGENE 436 :

- 32394\_s\_at Cluster Incl. X55954:Human mRNA for HL23 ribosomal protein homologue  
 32395\_r\_at Cluster Incl. X55954:Human mRNA for HL23 ribosomal protein homologue  
 32435\_at Cluster Incl. X63527:H.sapiens mRNA for ribosomal protein L19 /cds=(28,  
 20 38272\_at Cluster Incl. AF038844:Homo sapiens MKP-1 like protein tyrosine phospho  
 32191\_at Cluster Incl. D13969:Human mRNA for Mel-18 protein, complete cds /cds=(  
 32192\_g\_at Cluster Incl. D13969:Human mRNA for Mel-18 protein, complete cds /cds  
 35741\_at Cluster Incl. U85245:Human phosphatidylinositol-4-phosphate 5-kinase ty  
 36181\_at Cluster Incl. X82456:H.sapiens MLN50 mRNA /cds=(75,860) /gb=X82456 /gi=  
 25 40187\_at Cluster Incl. AW016815:UI-H-BIO-aam-c-09-0-UI.s1 Homo sapiens cDNA, 3  
 1309\_at D26598 /FEATURE= /DEFINITION=HUMPSH1 Human mRNA for proteasome subunit H

## METAGENE 437 :

- 30 36378\_at Cluster Incl. AF085807:Homo sapiens uroplakin Ia mRNA, partial cds /cds  
 39301\_at Cluster Incl. X85030:H.sapiens mRNA for skeletal muscle-specific calpai  
 39105\_at Cluster Incl. Z46389:Homo sapiens encoding vasodilator-stimulated phosph  
 1317\_at X70040 /FEATURE=cds /DEFINITION=HSRON H.sapiens RON mRNA for tyrosine ki

## 35 METAGENE 438 :

- 39973\_at Cluster Incl. U47926:Human unknown protein B mRNA, complete cds /cds=(8  
 34390\_at Cluster Incl. U90441:Human prolyl 4-hydroxylase alpha (II) subunit mRNA  
 36990\_at Cluster Incl. X04741:Human mRNA for protein gene product (PGP) 9.5 /cds

37345\_at Cluster Incl. AF013759:Homo sapiens calumein (Calu) mRNA, complete cds  
 39176\_f\_at Cluster Incl. M54994:Human bile salt-activated lipase (BAL) mRNA, com  
 33127\_at Cluster Incl. U89942:Human lysyl oxidase-related protein (WS9-14) mRNA,

## 5 METAGENE 439 :

31583\_at Cluster Incl. X67247:H.sapiens rpS8 gene for ribosomal protein S8 /cds=  
 31952\_at Cluster Incl. X69391:H.sapiens mRNA for ribosomal protein L6 /cds=(26,8  
 33485\_at Cluster Incl. D23660:Human mRNA for ribosomal protein, complete cds /cd  
 10 34008\_at Cluster Incl. AF084465:Homo sapiens Ras-like GTP-binding protein REM mR  
 34430\_at Cluster Incl. U70732:Human glutamate pyruvate transaminase (GPT) gene,  
 33752\_at Cluster Incl. AB020657:Homo sapiens mRNA for KIAA0850 protein, complete  
 36930\_at Cluster Incl. L05425:Homo sapiens autoantigen mRNA, complete cds /cds=(  
 41235\_at Cluster Incl. AL022312:dJ1104E15.2 (activating transcription factor 4 (  
 15 39811\_at Cluster Incl. AA402538:zu48g06.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 41262\_at Cluster Incl. AL021707:Human DNA sequence from clone 508I15 on chromoso

## METAGENE 440 :

20 31350\_at Cluster Incl. AC004597:Homo sapiens chromosome 19, cosmid F20722 /cds=(  
 31439\_f\_at Cluster Incl. X63095:H.sapiens mRNA for rhesus polypeptide (RhVI) /cd  
 31478\_at Cluster Incl. M16653:Human pancreatic elastase IIB mRNA, complete cds /  
 31590\_g\_at Cluster Incl. AL031983:dJ271M21.2 (hs6M1-12 (7 transmembrane receptor  
 31775\_at Cluster Incl. X65018:H.sapiens mRNA for lung surfactant protein D /cds=  
 25 31785\_f\_at Cluster Incl. U92817:Homo sapiens unnamed HERV-H protein mRNA, comple  
 31930\_f\_at Cluster Incl. X63096:H.sapiens mRNA for rhesus polypeptide (RhVIII) /  
 31991\_at Cluster Incl. AL049430:Homo sapiens mRNA; cDNA DKFZp586H201 (from  
 clone  
 32007\_at Cluster Incl. W29045:55e12 Homo sapiens cDNA /gb=W29045 /gi=1309002 /ug  
 30 32010\_at Cluster Incl. Z82180:Human DNA sequence from clone E81G9 on chromosome  
 32407\_f\_at Cluster Incl. U92818:Homo sapiens c33.28 unnamed HERV-H protein mRNA,  
 33651\_at Cluster Incl. AB013456:Homo sapiens hAQP8 mRNA for aquaporin 8, complet  
 33670\_at Cluster Incl. X74439:H.sapiens mRNA for estrogen receptor gene 5flankin  
 34060\_g\_at Cluster Incl. AA586695:nn42h06.s1 Homo sapiens cDNA, 3 end /clone=IM  
 35 34067\_at Cluster Incl. AL022314:dJ1170K4.2 (novel Trypsin family protein with cl  
 34139\_at Cluster Incl. AL049651:Human DNA sequence from clone 753D10 on chromoso  
 34634\_s\_at Cluster Incl. U68487:Human 5-hydroxytryptamine7 receptor isoform b mR  
 34636\_at Cluster Incl. M23892:Human 15-lipoxygenase mRNA, complete cds /cds=(3,1  
 35091\_at Cluster Incl. AA706226:ah28a07.s1 Homo sapiens cDNA, 3 end /clone=1240

	35536_at	Cluster Incl. AB011176:Homo sapiens mRNA for KIAA0604 protein, complete
	36332_at	Cluster Incl. U40391:Human serotonin N-acetyltransferase gene, complete
	36375_at	Cluster Incl. X74614:H.sapiens ODF2 (allele 2) gene for outer dense fib
	36407_at	Cluster Incl. AL050220:Homo sapiens mRNA; cDNA DKFZp586J1923 (from clon
5	36411_s_at	Cluster Incl. U29943:Human ELAV-like neuronal protein-2 Hel-N2 mRNA,
	32271_at	Cluster Incl. X16707:Human fra-1 mRNA /cds=(34,849) /gb=X16707 /gi=3146
	32866_at	Cluster Incl. AB011177:Homo sapiens mRNA for KIAA0605 protein, complete
	32898_at	Cluster Incl. U20582:Human actin-like peptide mRNA, partial cds /cds=(2
	32915_at	Cluster Incl. AL109730:Homo sapiens mRNA full length insert cDNA clone
10	33470_at	Cluster Incl. AF052177:Homo sapiens clone 24510 mRNA sequence /cds=UNKN
	33521_at	Cluster Incl. M63962:Human gastric H,K-ATPase catalytic subunit gene, c
	33545_at	Cluster Incl. M81758:Homo sapiens skeletal muscle voltage-dependent sod
	33568_at	Cluster Incl. U48861:Human beta 4 nicotinic acetylcholine receptor subu
	34425_at	Cluster Incl. AF031469:Homo sapiens MHC class I related protein 1 isofo
15	34457_at	Cluster Incl. U76010:Human putative zinc transporter ZnT-3 (ZnT-3) mRNA
	34527_r_at	Cluster Incl. AF052108:Homo sapiens clone 23687 mRNA sequence /cds=UN
	34981_at	Cluster Incl. M55513:Human potassium channel (HPCN1) mRNA, complete cds
	35485_at	Cluster Incl. X80818:H.sapiens mRNA for metabotropic glutamate receptor
	35899_at	Cluster Incl. AF109401:Homo sapiens neurotrophic factor artemin precurs
20	35915_at	Cluster Incl. X82540:H.sapiens mRNA for activin beta-C chain /cds=(127,
	35939_s_at	Cluster Incl. L20433:Human octamer binding transcription factor 1 (OT
	35950_at	Cluster Incl. U90841:Homo sapiens SSX4 (SSX4) mRNA, complete cds /cds=(
	36276_at	Cluster Incl. X67734:H.sapiens mRNA for transient axonal glycoprotein (
	36285_at	Cluster Incl. U07364:Human inwardly rectifying potassium channel mRNA,
25	36298_at	Cluster Incl. L14565:Human peripherin (PRPH) gene exons 1-9, complete c
	36702_at	Cluster Incl. AJ010277:Homo sapiens mRNA for TBX19 protein /cds=(51,139
	36706_at	Cluster Incl. Y15057:Homo sapiens mRNA for STK9 protein /cds=(221,3313)
	36754_at	Cluster Incl. X60435:H.sapiens gene PACAP for pituitary adenylate cycla
	37853_at	Cluster Incl. AI857458:w157e02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
30	38507_at	Cluster Incl. X16867:Human mRNA for cytochrome P-450IID (clone pMP34) /
	38558_at	Cluster Incl. M29273:Human myelin-associated glycoprotein (MAG) mRNA, c
	38851_at	Cluster Incl. M63394:Human 3 nucleotide sequence mRNA /cds=UNKNOWN
	/gb=	
	38860_at	Cluster Incl. U66346:Homo sapiens cAMP phosphodiesterase (PDE4C) mRNA,
35	38897_at	Cluster Incl. AJ000730:Homo sapiens mRNA for cationic amino acid transp
	38942_r_at	Cluster Incl. W28610:49b12 Homo sapiens cDNA /gb=W28610 /gi=1308558 /
	39242_at	Cluster Incl. X96783:H.sapiens Syt V gene (genomic and cDNA sequence) /
	39245_at	Cluster Incl. U72507:Human 40871 mRNA partial sequence /cds=UNKNOWN /gb
	39990_at	Cluster Incl. U07559:Human ISL-1 (Islet-1) mRNA, complete cds /cds=(248

	40299_at	Cluster Incl. AF091890:Homo sapiens G-protein coupled receptor RE2 mRNA
	40317_at	Cluster Incl. U57352:Human sodium channel 1 (hBNC1) mRNA, complete cds
	40643_at	Cluster Incl. M34480:Human platelet glycoprotein IIb (GPIIb) mRNA, comp
	41647_at	Cluster Incl. W28742:51a7 Homo sapiens cDNA /gb=W28742 /gi=1308690 /ug=
5	32029_at	Cluster Incl. AF017995:Homo sapiens 3-phosphoinositide dependent protei
	32710_at	Cluster Incl. X83127:H.sapiens mRNA for voltage gated potassium channel
	33779_at	Cluster Incl. AF060538:Homo sapiens vesicle associated membrane protein
	34655_at	Cluster Incl. AI951832:wx38b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35685_at	Cluster Incl. Z14000:H.sapiens RING1 gene /cds=(75,1208) /gb=Z14000 /gi
10	36011_at	Cluster Incl. AF035531:Homo sapiens syntaxin 10 mRNA, complete cds /cds
	36037_g_at	Cluster Incl. J05500:Human beta-spectrin (SPTB) mRNA, complete cds /c
	36546_r_at	Cluster Incl. AB011114:Homo sapiens mRNA for KIAA0542 protein, comple
	36815_at	Cluster Incl. AF038185:Homo sapiens clone 23700 mRNA sequence /cds=UNKN
	36883_at	Cluster Incl. X14640:Human mRNA for keratin 13 /cds=(42,1418) /gb=X1464
15	36907_at	Cluster Incl. M88468:Homo sapiens mevalonate kinase mRNA, complete cds
	37191_at	Cluster Incl. D87463:Human mRNA for KIAA0273 gene, complete cds /cds=(4
	37270_at	Cluster Incl. AF007876:Homo sapiens Na,K-ATPase beta 2 subunit gene, co
	38624_at	Cluster Incl. AF054506:Homo sapiens erythroid K-Cl cotransporter splici
	38646_s_at	Cluster Incl. AI763065:wi64h03.x1 Homo sapiens cDNA, 3 end /clone=IM
20	38660_at	Cluster Incl. F27891:HSPD16170 Homo sapiens cDNA /clone=s4000025D03 /gb
	40094_r_at	Cluster Incl. X80026:H.sapiens B-cam mRNA /cds=(6,1772) /gb=X80026 /g
	40442_f_at	Cluster Incl. W26019:18b9 Homo sapiens cDNA /gb=W26019 /gi=1306304 /u
	40507_at	Cluster Incl. K03195:Human (HepG2) glucose transporter gene mRNA, compl
	32810_at	Cluster Incl. AF019369:untitled /cds=(89,826) /gb=AF019369 /gi=2623563
25	34832_s_at	Cluster Incl. AB018306:Homo sapiens mRNA for KIAA0763 protein, comple
	35756_at	Cluster Incl. AF089816:Homo sapiens RGS-GAIP interacting protein GIPC m
	36615_at	Cluster Incl. M83751:Human arginine-rich protein (ARP) gene, complete c
	38027_at	Cluster Incl. X53742:H.sapiens mRNA for fibulin-1 B /cds=(10,1815) /gb=
	38048_at	Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cds
30	38058_at	Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=(1
	38752_r_at	Cluster Incl. AA426364:zv61b06.s1 Homo sapiens cDNA, 3 end /clone=IM
	39468_r_at	Cluster Incl. W27081:22g5 Homo sapiens cDNA /gb=W27081 /gi=1306660 /u
	39472_s_at	Cluster Incl. W25985:17e6 Homo sapiens cDNA /gb=W25985 /gi=1306252 /u
	39870_at	Cluster Incl. AI377866:te63h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40595_at	Cluster Incl. AI345337:tb81g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40919_at	Cluster Incl. M81830:Human somatostatin receptor isoform 2 (SSTR2) gene
	40938_at	Cluster Incl. Y13835:Homo sapiens mRNA for farnesylated-proteins conver
	40954_at	Cluster Incl. H94881:yu57f07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	40959_at	Cluster Incl. AB011171:Homo sapiens mRNA for KIAA0599 protein, partial

- 41351\_at Cluster Incl. AA885106:am31h01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41361\_at Cluster Incl. W28148:43f2 Homo sapiens cDNA /gb=W28148 /gi=1308159 /ug=
- 41793\_at Cluster Incl. AI288757:qm11h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41825\_at Cluster Incl. W26652:34c6 Homo sapiens cDNA /gb=W26652 /gi=1307495 /ug=
- 5** 32560\_s\_at Cluster Incl. W30959:zc65h10.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 1552\_i\_at U22028 /FEATURE=expanded\_cds /DEFINITION=HSU22028 Human cytochrome P45
- 1517\_at J02906 /FEATURE=mRNA /DEFINITION=HUMCYPIIF Human cytochrome P450IIF1 pro
- 10** 1419\_g\_at D29675 /FEATURE=exon /DEFINITION=HUMNOSB Human inducible nitric oxide
- 1339\_s\_at X14675 /FEATURE=cds /DEFINITION=HSBCR3C Human bcr-abl mRNA 5 fragment
- 1289\_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-transferase (G
- 15** 1259\_at L76568 /FEATURE=exons#13-14 /DEFINITION=HUMERCC4G Homo sapiens excision 1177\_at Dna-Binding Protein Ap-2, Alt. Splice 3
- 1155\_at J03069 /FEATURE=mRNA /DEFINITION=HUMMYCL2A Human MYCL2 gene, complete cd
- 1122\_f\_at K03183 /FEATURE=cds /DEFINITION=HUMCGBBA3 Human chorionic gonadotropin
- 20** 1032\_at U11872 /FEATURE= /DEFINITION=HSU11872 Human interleukin-8 receptor type 730\_r\_atMucin 3, Intestinal
- 731\_f\_atMucin 3, Intestinal
- 732\_f\_atMucin 3, Intestinal
- 25** 420\_at X65633 /FEATURE=cds /DEFINITION=HSACTHR H.sapiens ACTH-R gene for adrenoc 240\_at M64231 /FEATURE=mRNA /DEFINITION=HUMSPERSYN Human spermidine synthase gen
- 121\_at X69699 /FEATURE= /DEFINITION=HSPAX8A H.sapiens Pax8 mRNA
- 30** METAGENE 441 :
- 31382\_f\_at Cluster Incl. AF016492:Homo sapiens UDP-glucuronosyltransferase 2B mR
- 33068\_f\_at Cluster Incl. U08854:Human UDP glucuronosyltransferase precursor (UGT
- 41376\_i\_at Cluster Incl. J05428:Human 3,4-catechol estrogen UDP-glucuronosyltran
- 35** 41377\_f\_at Cluster Incl. J05428:Human 3,4-catechol estrogen UDP-glucuronosyltran
- METAGENE 442 :
- 34927\_at Cluster Incl. M28826:Human thymocyte antigen CD1b mRNA, complete cds /c

37861\_at Cluster Incl. X14975:Human CD1 R2 gene for MHC-related antigen /cds=(0,  
 39925\_at Cluster Incl. M95610:Human alpha 2 type IX collagen (COL9A2) mRNA, part  
 1183\_at D43767 /FEATURE= /DEFINITION=HUMAR Human mRNA for chemokine, complete cd

## 5 METAGENE 443 :

34556\_at Cluster Incl. Z29074:H.sapiens mRNA for cytokeratin 9 /cds=(66,1937) /g  
 37588\_s\_at Cluster Incl. U62317:Chromosome 22q13 BAC Clone CIT987SK-384D8 comple  
 1256\_at L38929 /FEATURE=mRNA /DEFINITION=HUMPTPD Homo sapiens protein tyrosine p

## 10

### METAGENE 444 :

31544\_at Cluster Incl. L13203:Human HNF-3/fork-head homolog-3 HFH-3 mRNA, comple  
 32105\_f\_at Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei

## 15

### METAGENE 445 :

35118\_at Cluster Incl. M12625:Human lecithin-cholesterol acyltransferase mRNA, c  
 36267\_at Cluster Incl. X77909:H.sapiens IKBL mRNA /cds=(68,1213) /gb=X77909 /gi=  
 20 37442\_at Cluster Incl. AL050378:Homo sapiens mRNA; cDNA DKFZp586I1420 (from clon  
 37489\_s\_at Cluster Incl. U05596:Human anion exchanger 3 brain isoform (bAE3) mRN  
 38188\_s\_at Cluster Incl. L28821:Homo sapiens alpha mannosidase II isozyme mRNA,  
 38592\_s\_at Cluster Incl. AI828210:wk81e09.x1 Homo sapiens cDNA, 3 end /clone=IM  
 39261\_at Cluster Incl. L16896:Human zinc finger protein mRNA, complete cds /cds=  
 25 41114\_at Cluster Incl. AB018350:Homo sapiens mRNA for KIAA0807 protein, partial  
 41698\_at Cluster Incl. AL031685:dJ963K23.4 (KIAA0939 (novel Sodium/hydrogen exch  
 31839\_at Cluster Incl. AC004475:Homo sapiens chromosome 19, cosmid F23858 /cds=(  
 32635\_at Cluster Incl. AB029036:Homo sapiens mRNA for KIAA1113 protein, partial  
 33300\_at Cluster Incl. AL031282:dJ283E3.3.1 (Cell Division Cycle 2-Like 2 (PITSL  
 30 34200\_at Cluster Incl. X83378:H.sapiens mRNA for putative chloride channel /cds=  
 35652\_g\_at Cluster Incl. AF002715:Homo sapiens MAP kinase kinase kinase (MTK1) m  
 36068\_at Cluster Incl. AF002210:Homo sapiens copper chaperone for superoxide dis  
 36562\_at Cluster Incl. AB007887:Homo sapiens KIAA0427 mRNA, complete cds /cds=(2  
 37269\_at Cluster Incl. D38496:Human mRNA for LZTR-1, complete cds /cds=(862,2520  
 35 37596\_at Cluster Incl. U09117:Human phospholipase c delta 1 mRNA, complete cds /  
 40104\_at Cluster Incl. D63780:Homo sapiens mRNA for YSK1, complete cds /cds=(114  
 34406\_at Cluster Incl. AB011174:Homo sapiens mRNA for KIAA0602 protein, partial  
 35795\_at Cluster Incl. AJ011972:Homo sapiens mRNA for histone deacetylase-like p  
 37379\_at Cluster Incl. X81789:H.sapiens mRNA for splicing factor SF3a60 /cds=(56

- 38440\_s\_at Cluster Incl. AA015605:ze20c12.s1 Homo sapiens cDNA, 3 end /clone=IM  
 39115\_at Cluster Incl. AL050275:Homo sapiens mRNA; cDNA DKFZp566D213 (from  
 clone  
 39129\_at Cluster Incl. AF052134:Homo sapiens clone 23585 mRNA sequence /cds=UNKN  
 5 39551\_at Cluster Incl. N98667:yy66d05.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-  
 39861\_at Cluster Incl. M98343:Homo sapiens amplexin (EMS1) mRNA, complete cds /c  
 32502\_at Cluster Incl. AL041124:DKFZp434D0316\_s1 Homo sapiens cDNA, 3 end /clon  
 160024\_at X78342 /FEATURE=cds /DEFINITION=HSPISSLRE H.sapiens PISSLRE mRNA  
 /NOTE  
 10  
 METAGENE 446 :  
 37864\_s\_at Cluster Incl. Y14737:Homo sapiens mRNA for immunoglobulin lambda heav  
 38194\_s\_at Cluster Incl. M63438:Human Ig rearranged gamma chain mRNA, V-J-C regi  
 15 33273\_f\_at Cluster Incl. X57809:Human rearranged immunoglobulin lambda light cha  
 33274\_f\_at Cluster Incl. M18645:Human Ig rearranged lambda-chain mRNA VJC-region  
 41827\_f\_at Cluster Incl. AI932613:wo05c02.x1 Homo sapiens cDNA, 3 end /clone=IM  
 METAGENE 447 :  
 20  
 31451\_at Cluster Incl. U62794:Human CDC42 GAP-related protein mRNA, partial cds  
 31699\_at Cluster Incl. S67334:phosphatidylinositol 3-kinase p110 beta isoform=11  
 35597\_at Cluster Incl. AJ000480:Homo sapiens mRNA for C8FW phosphoprotein /cds=(  
 33989\_f\_at Cluster Incl. W28869:53h2 Homo sapiens cDNA /gb=W28869 /gi=1308880 /u  
 25 34533\_at Cluster Incl. AF038192:Homo sapiens clone 23808 mRNA sequence /cds=UNKN  
 36262\_at Cluster Incl. Z12173:H.sapiens GNS mRNA encoding glucosamine-6-sulphata  
 36263\_g\_at Cluster Incl. Z12173:H.sapiens GNS mRNA encoding glucosamine-6-sulpha  
 36696\_at Cluster Incl. AB000359:Homo sapiens PIGCP1 pseudogene /cds=(0,416) /gb=  
 37111\_g\_at Cluster Incl. AB012229:Homo sapiens gene for fructose-6-phosphate,2-k  
 30 37528\_at Cluster Incl. U03109:Human aspartyl beta-hydroxylase mRNA, complete cds  
 37886\_at Cluster Incl. AB015332:Homo sapiens HRIHFB2018 mRNA, partial cds /cds=(  
 38207\_at Cluster Incl. AW006742:wr28g10.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 39277\_at Cluster Incl. U60805:Human oncostatin-M specific receptor beta subunit  
 40696\_at Cluster Incl. U50062:Homo sapiens RIP protein kinase mRNA, complete cds  
 35 41390\_at Cluster Incl. X69086:H.sapiens mRNA for utrophin /cds=(0,10301) /gb=X69  
 34725\_at Cluster Incl. M73077:Human glucocorticoid receptor repression factor 1  
 34742\_at Cluster Incl. Z23115:H.sapiens bcl-xL mRNA /cds=(134,835) /gb=Z23115 /g  
 39694\_at Cluster Incl. W27517:31h6 Homo sapiens cDNA /gb=W27517 /gi=1307321 /ug=  
 40493\_at Cluster Incl. L05424:Human hyaluronate receptor (CD44) gene /cds=(136,2



- 40847\_at Cluster Incl. AB018293: Homo sapiens mRNA for KIAA0750 protein, complete
- 41144\_g\_at Cluster Incl. U12022: Human calmodulin (CALM1) gene /cds=(199,648) /gb
- 41226\_at Cluster Incl. L05147: Human dual specificity phosphatase tyrosine/serine
- 41782\_g\_at Cluster Incl. U22815: Human LAR-interacting protein 1a mRNA, complete
- 5 33372\_at Cluster Incl. AI189226: qd04h11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33843\_g\_at Cluster Incl. AC004472: Homo sapiens chromosome 9, P1 clone 11659 /cds
- 39522\_at Cluster Incl. D49817: Homo sapiens mRNA for 6-phosphofructo-2-kinase/fru
- 39523\_at Cluster Incl. AF038897: Homo sapiens syntaxin 16 mRNA, complete cds /cds
- 39537\_at Cluster Incl. X98248: H.sapiens mRNA for sortilin /cds=(21,2522) /gb=X98
- 10 40553\_at Cluster Incl. AI742087: wg38g10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 40608\_at Cluster Incl. AA013087: ze27c09.r1 Homo sapiens cDNA, 5 end /clone=IMAG
- 40984\_at Cluster Incl. W28255: 44b8 Homo sapiens cDNA /gb=W28255 /gi=1308203 /ug=
- 41287\_s\_at Cluster Incl. W28510: 48f3 Homo sapiens cDNA /gb=W28510 /gi=1308521 /u
- 2082\_s\_at L08599 /FEATURE= /DEFINITION= HUMUVOECAD Human uvomorulin (E-
- 15 cadherin)
- 1917\_at X03484 /FEATURE=cds /DEFINITION=HSRAFR Human mRNA for raf oncogene
- 1793\_at M80629 /FEATURE= /DEFINITION=HUMCHED Human cdc2-related protein kinase (
- 1615\_at Z23115 /FEATURE=cds /DEFINITION=HSBCLXL H.sapiens bcl-xL mRNA
- 1439\_s\_at X75346 /FEATURE=cds /DEFINITION=HSMAPKAP H.sapiens mRNA for MAP
- 20 kinase
- 1034\_at U14394 /FEATURE= /DEFINITION=HSU14394 Human tissue inhibitor of metallopro
- 1045\_s\_at U33838 /FEATURE= /DEFINITION=HSU33838 Human NF-kappa-B p65delta3
- mRNA,
- 973\_at Y10032 /FEATURE=cds /DEFINITION=HSRNASTPK H.sapiens mRNA for putative ser
- 25 867\_s\_at U12471 /FEATURE=cds#2 /DEFINITION=HSU12471 Human thrombospondin-1
- gene,
- 727\_at Ornithine Aminotransferase-Like 3
- 622\_at M28212 /FEATURE= /DEFINITION=HUMRAB6A Homo sapiens GTP-binding protein (R
- 517\_at U07000 /FEATURE=cds#4 /DEFINITION=HSU07000 Human breakpoint cluster regio
- 30 435\_g\_at X03473 /FEATURE=cds /DEFINITION=HSHIS10G Human gene for histone
- H1(0)
- METAGENE 448 :
- 35 37178\_at Cluster Incl. M74089: Human TB1 gene mRNA, 3 end /cds=(0,1305) /gb=M740
- METAGENE 449 :
- 38210\_at Cluster Incl. Z35094: H.sapiens mRNA for SURF-2 /cds=(17,787) /gb=Z35094

- 39643\_at Cluster Incl. U94703:Homo sapiens mitochondrial DNA polymerase accessor  
 40322\_at Cluster Incl. D12763:Homo sapiens mRNA for ST2 protein /cds=(46,1032) /  
 34695\_at Cluster Incl. AI816724:wj43c06.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 37959\_at Cluster Incl. D63876:Human mRNA for KIAA0154 gene, partial cds /cds=(0,  
**5** 38991\_at Cluster Incl. U55980:HSU55980 Homo sapiens cDNA, 3 end /clone=25453 /c  
 38762\_at Cluster Incl. AF083255:Homo sapiens RNA helicase-related protein mRNA,  
 39151\_at Cluster Incl. AL031290:Human DNA sequence from clone 774I24 on chromoso

## METAGENE 450 :

**10**

- 38551\_at Cluster Incl. U52112:neural cell adhesion molecule L1 /cds=(19,3792) /g  
 41473\_at Cluster Incl. L05779:Human cytosolic epoxide hydrolase mRNA, complete c  
 40824\_at Cluster Incl. AB018288:Homo sapiens mRNA for KIAA0745 protein, partial

**15** METAGENE 451 :

- 35919\_at Cluster Incl. J05068:human transcobalamin I mRNA, complete cds /cds=(75  
 39939\_at Cluster Incl. D21337:Human mRNA for collagen /cds=(234,5270) /gb=D21337  
 39940\_at Cluster Incl. AL080094:Homo sapiens mRNA; cDNA DKFZp564O1262 (from  
**20** clon  
 33763\_at Cluster Incl. AI829671:wf09b02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32163\_f\_at Cluster Incl. AA216639:zq95f07.s1 Homo sapiens cDNA, 3 end /clone=IM  
 38068\_at Cluster Incl. M63175:Human autocrine motility factor receptor mRNA /cds

**25** METAGENE 452 :

- 34666\_at Cluster Incl. X07834:Human mRNA for manganese superoxide dismutase (EC  
 35309\_at Cluster Incl. U20428:Human SNC19 mRNA sequence /cds=UNKNOWN  
 /gb=U20428

**30**

## METAGENE 453 :

- 34585\_at Cluster Incl. L07919:Human homeodomain protein DLX-2 mRNA, 3 end /cds=  
 35009\_at Cluster Incl. U33837:Human glycoprotein receptor gp330 precursor, mRNA,  
**35** 37833\_at Cluster Incl. J02943:Human corticosteroid binding globulin mRNA, comple  
 39266\_at Cluster Incl. AF070632:Homo sapiens clone 24405 mRNA sequence /cds=UNKN  
 40291\_r\_at Cluster Incl. L13972:Homo sapiens beta-galactoside alpha-2,3-sialyltr  
 35183\_at Cluster Incl. U78735:Human ABC3 mRNA, complete cds /cds=(559,5673) /gb=  
 35227\_at Cluster Incl. U72066:Homo sapiens CtBP interacting protein CtIP (CtIP)

- 35643\_at Cluster Incl. X76732:H.sapiens mRNA for NEFA protein /cds=(219,1481) /g
- 37274\_at Cluster Incl. AF018631:untitled /cds=(35,1666) /gb=AF018631 /gi=2674074
- 37639\_at Cluster Incl. X07732:Human hepatoma mRNA for serine protease hepsin /cd
- 39033\_at Cluster Incl. Z78368:HSZ78368 Homo sapiens cDNA /clone=3.142-(CEPH) /gb
- 5 33353\_at Cluster Incl. W26466:32f11 Homo sapiens cDNA /gb=W26466 /gi=1307372 /ug
- 34792\_at Cluster Incl. AL049954:Homo sapiens mRNA; cDNA DKFZp564A1523 (from  
clon
- 34808\_at Cluster Incl. AB023216:Homo sapiens mRNA for KIAA0999 protein, partial
- 35283\_at Cluster Incl. H05692:yl76b12.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 10 38449\_at Cluster Incl. W28931:56f3 Homo sapiens cDNA /gb=W28931 /gi=1309086 /ug=
- 40278\_at Cluster Incl. AB029003:Homo sapiens mRNA for KIAA1080 protein, partial
- 40936\_at Cluster Incl. AI651806:wb55f10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41302\_at Cluster Incl. R59606:yh02e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 260\_at M16447 /FEATURE= /DEFINITION=HUMDHPRA Human dihydropteridine reductase (h
- 15
- METAGENE 454 :
- 31522\_f\_at Cluster Incl. Z80779:H.sapiens H2B/g gene /cds=(0,380) /gb=Z80779 /gi
- 31523\_f\_at Cluster Incl. Z80780:H.sapiens H2B/h gene /cds=(0,380) /gb=Z80780 /gi
- 20 31524\_f\_at Cluster Incl. Z80782:H.sapiens H2B/k gene /cds=(0,380) /gb=Z80782 /gi
- 31528\_f\_at Cluster Incl. Z83738:H.sapiens hH2B/e gene /cds=(0,380) /gb=Z83738 /g
- 31693\_f\_at Cluster Incl. Z80776:H.sapiens H2A/g gene /cds=(0,392) /gb=Z80776 /gi
- 34157\_f\_at Cluster Incl. AI200373:qf98c03.x1 Homo sapiens cDNA, 3 end /clone=IM
- 35127\_at Cluster Incl. AI039144:ox31b09.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 25 35576\_f\_at Cluster Incl. AL009179:dJ97D16.4 (Histone H2B) /cds=(25,405) /gb=AL00
- 36347\_f\_at Cluster Incl. AA873858:oh79b10.s1 Homo sapiens cDNA, 3 end /clone=IM
- 32980\_f\_at Cluster Incl. AI688098:wc92f08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 34964\_at Cluster Incl. N35832:yx89b10.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
- 36757\_at Cluster Incl. AL009179:dJ97D16.6 (Histone H3.1) /cds=(10,420) /gb=AL009
- 30 38576\_at Cluster Incl. AJ223353:Homo sapiens mRNA for histone H2B, clone pJG4-5-
- 39697\_at Cluster Incl. U26726:Human 11-beta-hydroxysteroid dehydrogenase type 2
- 32819\_at Cluster Incl. AJ223352:Homo sapiens mRNA for for histone H2B, clone pjG
- 33352\_at Cluster Incl. X57985:H.sapiens genes for histones H2B.1 and H2A /cds=(4
- 34308\_at Cluster Incl. U90551:Human histone 2A-like protein (H2A/I) mRNA, comple
- 35 37018\_at Cluster Incl. AI189287:qd05c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32609\_at Cluster Incl. AI885852:wl62d08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 762\_f\_at AB000905 /FEATURE=cds /DEFINITION=AB000905 Homo sapiens DNA for H4 hist
- 286\_at L19779 /FEATURE= /DEFINITION=HUMH2A2A Homo sapiens histone H2A.2 mRNA,  
co

153\_f\_atX00088 /FEATURE=cds /DEFINITION=HSHISH2B Human histone H2b gene

METAGENE 455 :

- 5** 35021\_at Cluster Incl. U89326:Homo sapiens bone morphogenetic protein receptor t  
32323\_at Cluster Incl. M63582:Human preprothyrotropin-releasing hormone gene /cd  
33527\_at Cluster Incl. U39196:Human clone hGIRK1 G-protein coupled inwardly rect  
36250\_at Cluster Incl. AI889718:wo17c04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
36326\_at Cluster Incl. M96740:Human NSCL-2 gene sequence /cds=UNKNOWN  
**10** /gb=M96740  
38174\_at Cluster Incl. X99688:H.sapiens mRNA from TYL gene /cds=(1806,3743) /gb=  
38225\_at Cluster Incl. AF052728:Homo sapiens HERG-USO (HERG) mRNA, alternatively  
39619\_at Cluster Incl. AF070551:Homo sapiens clone 24515 mRNA sequence /cds=UNKN  
32717\_at Cluster Incl. AF029729:Homo sapiens neuralized mRNA, complete cds /cds=  
**15** 37545\_at Cluster Incl. W22110:64F11 Homo sapiens cDNA /clone=(not-directional) /  
33426\_at Cluster Incl. Y00064:Human mRNA for secretogranin I (chromogranin B) /c  
34847\_s\_at Cluster Incl. AF112471:Homo sapiens calcium/calmodulin-dependent prot  
36160\_s\_at Cluster Incl. U81561:Human protein tyrosine phosphatase receptor pi (  
40272\_at Cluster Incl. D78012:Homo sapiens mRNA for dihydropyrimidinase related  
**20** 40543\_at Cluster Incl. L08424:Homo sapiens achaete scute homologous protein (ASH  
40544\_g\_at Cluster Incl. L08424:Homo sapiens achaete scute homologous protein (A  
41280\_r\_at Cluster Incl. AF007134:Homo sapiens clone 23565 unknown mRNA, partial  
41325\_at Cluster Incl. AF006823:Homo sapiens TWIK-related acid-sensitive K<sup>+</sup> chan  
41792\_at Cluster Incl. L78207:Homo sapiens sulfonylurea receptor (SUR1) mRNA, co  
**25** 33157\_at Cluster Incl. M93119:Human zinc-finger DNA-binding motifs (IA-1) mRNA,

METAGENE 456 :

- 30** 33610\_at Cluster Incl. AL049977:Homo sapiens mRNA; cDNA DKFZp564C122 (from  
clone  
33611\_g\_at Cluster Incl. AL049977:Homo sapiens mRNA; cDNA DKFZp564C122 (from clo  
35071\_s\_at Cluster Incl. AF042377:Homo sapiens GDP-mannose 4,6 dehydratase mRNA,  
36806\_at Cluster Incl. X83877:H.sapiens mRNA for ABP/ZF /cds=(364,684) /gb=X8387  
38952\_s\_at Cluster Incl. M33653:Human (clones HT-[125,133]) alpha-2 type IV coll  
**35** 40356\_at Cluster Incl. AB026833:Homo sapiens mRNA for chloride channel protein,  
41424\_at Cluster Incl. L48516:Homo sapiens paraoxonase 3 (PON3) mRNA, 3 end of  
37637\_at Cluster Incl. U27655:Human RGP3 mRNA, complete cds /cds=(287,1846) /gb=  
39080\_at Cluster Incl. M88458:Human ELP-1 mRNA sequence /cds=UNKNOWN  
/gb=M88458

- 32756\_at Cluster Incl. AF030249:Homo sapiens putative dienoyl-CoA isomerase (ECH  
36963\_at Cluster Incl. U30255:Human phosphogluconate dehydrogenase (hPGDH) gene,  
37044\_at Cluster Incl. D49490:Homo sapiens mRNA for protein disulfide isomerase-  
38469\_at Cluster Incl. M35252:Human CO-029 /cds=(137,850) /gb=M35252 /gi=180925  
5 39171\_at Cluster Incl. W21787:58b10 Homo sapiens cDNA /clone=(not-directional) /  
39805\_at Cluster Incl. AF070598:Homo sapiens clone 24410 ABC transporter mRNA, p  
40976\_at Cluster Incl. AF052432:Homo sapiens katanin p80 subunit mRNA, complete  
41489\_at Cluster Incl. M99435:Human transducin-like enhancer protein (TLE1) mRNA  
32567\_at Cluster Incl. D10704:Human mRNA for choline kinase /cds=(27,1397) /gb=D
- 10  
METAGENE 457 :
- 41095\_at Cluster Incl. X52221:H.sapiens ERCC2 gene, exons 1 & 2 (partial) /cds=U  
34854\_at Cluster Incl. AC004382:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-  
15 35269\_at Cluster Incl. AF093420:Homo sapiens Hsp70 binding protein HspBP1 mRNA,  
35758\_at Cluster Incl. AB024301:Homo sapiens mRNA for RuvB-like DNA helicase TIP  
37299\_at Cluster Incl. J04501:Human muscle glycogen synthase mRNA, complete cds  
371\_at Z56281 /FEATURE=cds /DEFINITION=HSIRF3MR H.sapiens mRNA for interferon re
- 20 METAGENE 458 :
- 38922\_at Cluster Incl. AF097738:Homo sapiens non-receptor tyrosine kinase (TNK1)  
40015\_at Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds=(  
39358\_at Cluster Incl. U37146:Human silencing mediator of retinoid and thyroid h  
25 39715\_at Cluster Incl. W28214:45f7 Homo sapiens cDNA /gb=W28214 /gi=1308297 /ug=  
40791\_at Cluster Incl. X63564:H.sapiens mRNA for RNA polymerase II largest subun  
33833\_at Cluster Incl. J05243:Human nonerythroid alpha-spectrin (SPTAN1) mRNA, c  
37767\_at Cluster Incl. L12392:Homo sapiens Huntingtons Disease (HD) mRNA, comple  
1523\_g\_at U43408 /FEATURE= /DEFINITION=HSU43408 Human tyrosine kinase (Tnk1)  
30 mRN
- 1496\_at M34668 /FEATURE= /DEFINITION=HUMPTPAAA Human protein tyrosine phosphatas  
1277\_at D89016 /FEATURE= /DEFINITION=D89016 Homo sapiens mRNA for Neuroblastoma,
- METAGENE 459 :
- 35 34282\_at Cluster Incl. AB010812:Homo sapiens Nrf3 mRNA for NF-E2-related factor  
36082\_at Cluster Incl. S71326:BGPC=biliary glycoprotein adhesion molecule {alter  
547\_s\_at S77154 /FEATURE= /DEFINITION=S77154 TINUR= NGFI-B/nur77 beta-type  
trans

## METAGENE 460 :

- 36736\_f\_at Cluster Incl. Y10275:H.sapiens mRNA for L-3-phosphoserine phosphatase  
**5** 39570\_at Cluster Incl. W22289:65G5 Homo sapiens cDNA /clone=(not-directional) /g  
 37208\_at Cluster Incl. AJ001612:Homo sapiens mRNA for L-3-phosphoserine-phosphat  
 37209\_g\_at Cluster Incl. AJ001612:Homo sapiens mRNA for L-3-phosphoserine-phosph  
 32564\_at Cluster Incl. AA083129:zn31a06.s1 Homo sapiens cDNA, 3 end /clone=IMAG

**10** METAGENE 461 :

- 31737\_at Cluster Incl. J00068:Human adult skeletal muscle alpha-actin mRNA /cds=  
 32123\_at Cluster Incl. L02870:Human alpha-1 type VII collagen (COL7A1) mRNA, com  
 38356\_at Cluster Incl. M19481:Human follistatin gene /cds=(0,953) /gb=M19481 /gi  
**15** 37028\_at Cluster Incl. U83981:Homo sapiens apoptosis associated protein (GADD34)  
 37658\_at Cluster Incl. L13720:Homo sapiens growth-arrest-specific protein (gas)  
 2053\_at M34064 /FEATURE= /DEFINITION=HUMNCADH Human N-cadherin mRNA, complete  
 cd  
 1597\_at L13720 /FEATURE= /DEFINITION=HUMGAS Homo sapiens growth-arrest-specific  
**20** 1598\_g\_at L13720 /FEATURE= /DEFINITION=HUMGAS Homo sapiens growth-arrest-  
 specifi  
 1573\_at M12783 /FEATURE=mRNA /DEFINITION=HUMSISPDG Human c-sis/platelet-derived

## METAGENE 462 :

- 25**  
 31701\_r\_at Cluster Incl. X83412:H.sapiens B1 mRNA for mucin /cds=(0,515) /gb=X83  
 35879\_at Cluster Incl. M77140:H.sapiens pro-galanin mRNA, 3 end /cds=(0,323) /g  
 35966\_at Cluster Incl. X71125:H.sapiens mRNA for glutamine cyclotransferase /cds  
 34765\_at Cluster Incl. D13645:Human mRNA for KIAA0020 gene, complete cds /cds=(4  
**30** 38657\_s\_at Cluster Incl. M20471:Human brain-type clathrin light-chain a mRNA, co

## METAGENE 463 :

- 41633\_at Cluster Incl. AL050283:Homo sapiens mRNA; cDNA DKFZp586K0919 (from  
**35** clon  
 36564\_at Cluster Incl. W27419:31a10 Homo sapiens cDNA /gb=W27419 /gi=1307241 /ug  
 37916\_at Cluster Incl. AI086057:oz44f07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 37940\_f\_at Cluster Incl. AA806768:ob91d06.s1 Homo sapiens cDNA /clone=IMAGE-1338  
 38686\_at Cluster Incl. X71490:H.sapiens mRNA for vacuolar proton ATPase, subunit

- 35753\_at Cluster Incl. AB007510:Homo sapiens mRNA for PRP8 protein, complete cds  
 37364\_at Cluster Incl. U72511:Human B-cell receptor associated protein (hBAP) mR  
 771\_s\_at D00749 /FEATURE=cds /DEFINITION=HUMCD7G3 Human T cell surface antigen C
- 5** 570\_at M83221 /FEATURE= /DEFINITION=HUMIRELA Homo sapiens I-Rel mRNA, complete c  
 160022\_at X03663 /FEATURE=cds /DEFINITION=HSCFMS Human mRNA for c-fms proto-onco
- 10** METAGENE 464 :
- 37205\_at Cluster Incl. AB020647:Homo sapiens mRNA for KIAA0840 protein, partial  
 35744\_at Cluster Incl. D50931:Human mRNA for KIAA0141 gene, complete cds /cds=(8  
 1754\_at AF006041 /FEATURE= /DEFINITION=AF006041 Homo sapiens Fas-binding protein
- 15** METAGENE 465 :
- 31706\_at Cluster Incl. L13283:Homo sapiens (clone MG2-5-12) mucin (MG2) mRNA, co  
 38350\_f\_at Cluster Incl. AF005392:Homo sapiens alpha tubulin (TUBA2) gene, parti  
**20** 40095\_at Cluster Incl. J03037:Human carbonic anhydrase II mRNA, complete cds /cd  
 41233\_at Cluster Incl. AB014888:Homo sapiens mRNA for MRJ, complete cds /cds=(10  
 1052\_s\_at M83667 /FEATURE=mRNA /DEFINITION=HUMNFIL6BA Human NF-IL6-beta protein  
 685\_f\_atK03460 /FEATURE=cds /DEFINITION=HUMTUBA2H Human alpha-tubulin isotype H
- 25** METAGENE 466 :
- 41439\_at Cluster Incl. AJ001381:Homo sapiens incomplete cDNA for a mutated allele  
 32107\_at Cluster Incl. AL050173:Homo sapiens mRNA; cDNA DKFZp586F0422 (from  
**30** clon  
 34246\_at Cluster Incl. AA418437:zv92d11.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 35193\_at Cluster Incl. AF060219:Homo sapiens RCC1-like G exchanging factor RLG m  
 36009\_at Cluster Incl. AF091092:Homo sapiens clone 683 unknown mRNA, complete se  
 37539\_at Cluster Incl. AB023176:Homo sapiens mRNA for KIAA0959 protein, partial  
**35** 39070\_at Cluster Incl. U03057:Human actin bundling protein (HSN) mRNA, complete  
 39345\_at Cluster Incl. AI525834:PT1.3\_06\_D01.r Homo sapiens cDNA, 5 end /clone\_  
 39416\_at Cluster Incl. U90913:Human clone 23665 mRNA sequence /cds=UNKNOWN  
 /gb=U  
 39690\_at Cluster Incl. AF002282:Homo sapiens alpha-actinin-2 associated LIM prot

- 40113\_at Cluster Incl. D87119:Homo sapiens mRNA for GS3955, complete cds /cds=(1  
33867\_s\_at Cluster Incl. X77494:H.sapiens MSSP-2 mRNA /cds=(231,1400) /gb=X77494  
36943\_r\_at Cluster Incl. U81992:Homo sapiens C2H2 zinc finger protein PLAGL1 (PL  
37399\_at Cluster Incl. D17793:Human mRNA for KIAA0119 gene, complete cds /cds=(5  
**5** 41274\_at Cluster Incl. AA908993:ol110d03.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
41504\_s\_at Cluster Incl. AF055376:Homo sapiens short form transcription factor C  
1535\_at U68723 /FEATURE= /DEFINITION=HSU68723 Human checkpoint suppressor 1 mRNA  
717\_at D87119 /FEATURE= /DEFINITION=D87119 Homo sapiens mRNA for GS3955, complet
- 10** METAGENE 467 :
- 37117\_at Cluster Incl. Z83838:Human DNA sequence from PAC 127B20 on chromosome 2  
39668\_at Cluster Incl. X95694:H.sapiens mRNA for AP-2 beta transcription factor  
41715\_at Cluster Incl. Y11312:H.sapiens mRNA for phosphoinositide 3-kinase /cds=  
**15** 35792\_at Cluster Incl. U67963:Human lysophospholipase homolog (HU-K5) mRNA, comp  
39837\_s\_at Cluster Incl. AC004877:Homo sapiens PAC clone DJ0751H13 from 7q35-qte  
1709\_g\_at U07620 /FEATURE= /DEFINITION=HSU07620 Human MAP kinase mRNA,  
complete
- 20** METAGENE 468 :
- 33875\_at Cluster Incl. AI547262:PN001\_AH\_H03.r Homo sapiens cDNA, 5 end /clone\_  
36955\_at Cluster Incl. U10362:Human GP36b glycoprotein mRNA, complete cds /cds=(  
37030\_at Cluster Incl. AB020694:Homo sapiens mRNA for KIAA0887 protein, partial  
**25** 41322\_s\_at Cluster Incl. AI816034:au44e05.x1 Homo sapiens cDNA, 3 end /clone=IM  
549\_at S80343 /FEATURE= /DEFINITION=S80343 ArgRS=arginyl-tRNA synthetase [human,
- METAGENE 469 :
- 30** 33466\_at Cluster Incl. AF038182:Homo sapiens clone 23860 mRNA sequence /cds=UNKN  
35922\_at Cluster Incl. Y08982:H.sapiens mRNA for synaptonemal complex lateral el  
38524\_at Cluster Incl. U49184:Human occludin mRNA, complete cds /cds=(167,1735)  
32034\_at Cluster Incl. AF041259:Homo sapiens breast cancer putative transcriptio  
32063\_at Cluster Incl. M86546:H.sapiens PBX1a and PBX1b mRNA, complete cds /cds=  
**35** 41783\_at Cluster Incl. M97815:Human retinoic acid-binding protein II (CRABP-II)  
34863\_s\_at Cluster Incl. W29030:55c4 Homo sapiens cDNA /gb=W29030 /gi=1308987 /u  
36201\_at Cluster Incl. D13315:Human mRNA for lactoyl glutathione lyase /cds=(87,  
32598\_at Cluster Incl. D83018:Homo sapiens mRNA for nel-related protein 2, compl



1079\_g\_at M31661 /FEATURE= /DEFINITION=HUMPRLR Human prolactin (PRL)  
receptor mR  
1057\_at M97815 /FEATURE=expanded\_cds /DEFINITION=HUMCRABP02 Human retinoic acid-

**5** METAGENE 470 :

31587\_at Cluster Incl. X96969:H.sapiens mRNA for urea transporter /cds=(273,1466  
33277\_at Cluster Incl. AB028996:Homo sapiens mRNA for KIAA1073 protein, complete  
37210\_at Cluster Incl. S78296:neurofilament-66 [human, fetal brain, mRNA, 3197 n  
**10** 38371\_at Cluster Incl. M64992:Human prosomal protein P30-33K (pros-30) mRNA, com  
40973\_at Cluster Incl. AI146846:qb92h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
41584\_at Cluster Incl. AF062529:Homo sapiens clone 486790 diphosphoinositol poly  
1549\_s\_at U19557 /FEATURE= /DEFINITION=HSU19557 Human squamous cell carcinoma  
an

**15**

METAGENE 471:

38204\_at Cluster Incl. AB007866:Homo sapiens KIAA0406 mRNA, complete cds /cds=(1  
38501\_s\_at Cluster Incl. U37139:Human beta 3-endonexin mRNA, long form and short  
**20** 33737\_f\_at Cluster Incl. AI871359:wl81b11.x1 Homo sapiens cDNA, 3 end /clone=IM  
35246\_at Cluster Incl. U18934:Human receptor tyrosine kinase (DTK) mRNA, complet  
35993\_s\_at Cluster Incl. AI698103:we20h11.x1 Homo sapiens cDNA, 3 end /clone=IM  
38324\_at Cluster Incl. AD000684:Homo sapiens DNA from chromosome 19-cosmid R3087  
32753\_at Cluster Incl. D13642:Human mRNA for KIAA0017 gene, complete cds /cds=(1  
**25** 32825\_at Cluster Incl. Y10805:H.sapiens mRNA for arginine methyltransferase, spl  
2086\_s\_at D17517 /FEATURE= /DEFINITION=HUMSKY Human sky mRNA for Sky,  
complete c

METAGENE 472 :

**30**

38518\_at Cluster Incl. Y18004:Homo sapiens mRNA for SCML2 protein /cds=(91,2193)  
40303\_at Cluster Incl. U85658:Human transcription factor ERF-1 mRNA, complete cd  
31836\_at Cluster Incl. L34600:Human nuclear-encoded mitochondrial initiation fac  
32674\_at Cluster Incl. D83032:Homo sapiens mRNA for nuclear protein, NP220, comp  
**35** 34276\_at Cluster Incl. AB023197:Homo sapiens mRNA for KIAA0980 protein, partial  
34739\_at Cluster Incl. W26023:18c3 Homo sapiens cDNA /gb=W26023 /gi=1306308 /ug=  
36849\_at Cluster Incl. U90920:Human PTPL1-associated RhoGAP mRNA, complete cds /  
37229\_at Cluster Incl. U49844:Human FRAP-related protein (FRP1) mRNA, complete c  
37561\_at Cluster Incl. AL031778:dJ34B21.4.1 (nuclear transcription factor Y, alp

- 37895\_at Cluster Incl. D87969:Homo sapiens mRNA for CMP-sialic acid transporter,  
 38256\_s\_at Cluster Incl. W21827:57E11 Homo sapiens cDNA /clone=(not-directional)  
 38684\_at Cluster Incl. AJ010953:Homo sapiens mRNA for putative Ca<sup>2+</sup>-transporting  
 40810\_at Cluster Incl. U66615:Human SWI/SNF complex 155 KDa subunit (BAF155) mRN  
 5 33357\_at Cluster Incl. AB011159:Homo sapiens mRNA for KIAA0587 protein, complete  
 33373\_at Cluster Incl. AL049951:Homo sapiens mRNA; cDNA DKFZp564O0122 (from  
 clon  
 33852\_at Cluster Incl. M77142:Human polyadenylate binding protein (TIA-1) mRNA,  
 34372\_at Cluster Incl. AB002310:Human mRNA for KIAA0312 gene, partial cds /cds=(  
 10 35764\_at Cluster Incl. Y15164:Homo sapiens mRNA for protein encoded by exorf5 (7  
 37312\_at Cluster Incl. D50917:Human mRNA for KIAA0127 gene, complete cds /cds=(2  
 37678\_at Cluster Incl. U23070:Human putative transmembrane protein (nma) mRNA, c  
 38086\_at Cluster Incl. AB007935:Homo sapiens mRNA for KIAA0466 protein, partial  
 860\_at U03911 /FEATURE= /DEFINITION=HSU03911 Human mutator gene (hMSH2) mRNA,  
 15 co  
 525\_g\_at U13695 /FEATURE=cds /DEFINITION=HSU13695 Human homolog of yeast  
 mutL (h  
 METAGENE 473 :  
 20  
 40024\_at Cluster Incl. D86640:Homo sapiens mRNA for stac, complete cds /cds=(39,  
 34771\_at Cluster Incl. AF035959:Homo sapiens type-2 phosphatidic acid phosphatas  
 38248\_at Cluster Incl. AB011124:Homo sapiens mRNA for KIAA0552 protein, complete  
 38249\_at Cluster Incl. Z97632:dJ196E23.1.1 (novel protein) (isoform 1) /cds=(155  
 25 34395\_at Cluster Incl. AB002352:Human mRNA for KIAA0354 gene, complete cds /cds=  
 35276\_at Cluster Incl. AB000712:Homo sapiens hCPE-R mRNA for CPE-receptor, compl  
 METAGENE 474 :  
 30 32883\_at Cluster Incl. X77744:H.sapiens F11 mRNA /cds=UNKNOWN /gb=X77744  
 /gi=456  
 32640\_at Cluster Incl. M24283:Human major group rhinovirus receptor (HRV) mRNA,  
 41199\_s\_at Cluster Incl. W27050:19f7 Homo sapiens cDNA /gb=W27050 /gi=1306422 /u  
 32230\_at Cluster Incl. U39067:Homo sapiens translation initiation factor eIF3 p3  
 35 38791\_at Cluster Incl. D29643:Human mRNA for KIAA0115 gene, complete cds /cds=(1  
 1644\_at U36764 /FEATURE= /DEFINITION=HSU36764 Human TGF-beta receptor interactin

METAGENE 475 :

34122\_at Cluster Incl. AF027807:Homo sapiens beta-casein (CSN2) gene, complete c  
 34612\_at Cluster Incl. L13220:Homo sapiens calbindin D-9k mRNA, complete cds /cd  
 41101\_at Cluster Incl. D87464:Human mRNA for KIAA0274 gene, complete cds /cds=(1  
 32124\_at Cluster Incl. AL030996:dJ1189B24.4 (novel PUTATIVE protein similar to h

5

## METAGENE 476 :

41864\_at Cluster Incl. AF052181:Homo sapiens clone 24790 mRNA sequence /cds=UNKN  
 38997\_at Cluster Incl. X96924:H.sapiens gene encoding mitochondrial citrate tran  
 10 1145\_g\_at Fibroblast Growth Factor Receptor K-Sam, Alt. Splice 4, K-Sam IV -

## METAGENE 477 :

37855\_at Cluster Incl. M95767:Homo sapiens di-N-acetylchitobiase mRNA, complete  
 15 41063\_g\_at Cluster Incl. AA037278:zc52c04.r1 Homo sapiens cDNA, 5 end /clone=IM  
 37915\_at Cluster Incl. AL080173:Homo sapiens mRNA; cDNA DKFZp434H071 (from  
 clone  
 36096\_at Cluster Incl. AL080222:Homo sapiens mRNA; cDNA DKFZp566D1146 (from  
 clon  
 20 33122\_at Cluster Incl. N95393:zb68c09.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-

## METAGENE 478 :

41620\_at Cluster Incl. AB018259:Homo sapiens mRNA for KIAA0716 protein, complete  
 25 35172\_at Cluster Incl. AF049891:Homo sapiens tyrosylprotein sulfotransferase-2 m  
 37598\_at Cluster Incl. D79990:Human mRNA for KIAA0168 gene, complete cds /cds=(1  
 37966\_at Cluster Incl. AA187563:zp66g11.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 32826\_at Cluster Incl. AJ133133:Homo sapiens mRNA for ecto-ATP diphosphohydrolas  
 1424\_s\_at D78577 /FEATURE=expanded\_cds /DEFINITION=D78576S2 Human DNA for  
 30 14-3-3

## METAGENE 479 :

37160\_at Cluster Incl. M19888:Human small proline rich protein (spr1) mRNA, clon  
 35 39310\_at Cluster Incl. X86163:H.sapiens mRNA for B2-bradykinin receptor, 3 /cds=  
 39632\_at Cluster Incl. X75308:H.sapiens mRNA for collagenase 3 /cds=(4,1419) /gb  
 35726\_at Cluster Incl. AI539439:te51e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 32818\_at Cluster Incl. X78565:H.sapiens mRNA for tenascin-C, 7560bp /cds=(313,69  
 2027\_at M87068 /FEATURE= /DEFINITION=HUMCAN H.sapiens CaN19 mRNA sequence

160031\_at X63629 /FEATURE=cds /DEFINITION=HSPCAD H.sapiens mRNA for p  
cadherin /

METAGENE 480 :

5

35375\_at Cluster Incl. AJ011311:Homo sapiens mRNA for AP endonuclease XTH2, puta  
41467\_at Cluster Incl. AF070071:Homo sapiens MutS homolog (MSH5) mRNA, complete  
37555\_at Cluster Incl. X95263:H.sapiens mRNA for PWP2 protein /cds=(31,2790) /gb  
37603\_at Cluster Incl. X52015:H.sapiens mRNA for interleukin-1 receptor antagoni  
10 32828\_at Cluster Incl. AF026548:Homo sapiens branched chain alpha-ketoacid dehyd  
966\_at X97795 /FEATURE=cds /DEFINITION=HSRAD54 H.sapiens mRNA homologous to S. c

METAGENE 481 :

15 33362\_at Cluster Incl. AF094521:Homo sapiens MSE55-related protein (UB1) mRNA, c  
39143\_at Cluster Incl. U08015:Human NF-ATc mRNA, complete cds /cds=(239,2389) /g  
32607\_at Cluster Incl. AF039656:Homo sapiens neuronal tissue-enriched acidic pro  
1327\_s\_at U67156 /FEATURE= /DEFINITION=HSU67156 Human mitogen-activated kinase  
k

20

METAGENE 482 :

34082\_at Cluster Incl. W28356:48e3 Homo sapiens cDNA /gb=W28356 /gi=1308511 /ug=  
35413\_s\_at Cluster Incl. AA258092:zs30g01.r1 Homo sapiens cDNA, 5 end /clone=IM  
25 35419\_g\_at Cluster Incl. J04178:Human abnormal beta-hexosaminidase alpha chain (  
35436\_at Cluster Incl. L06147:Human (clone SY11) golgin-95 mRNA, complete cds /c  
35439\_at Cluster Incl. D26121:Human mRNA for ZFM1 protein alternatively spliced  
37113\_at Cluster Incl. AF022795:Homo sapiens TGF beta receptor associated protei  
37491\_at Cluster Incl. D90359:Human CCG1 mRNA /cds=(51,5669) /gb=D90359 /gi=5593  
30 38962\_at Cluster Incl. AB002296:Human mRNA for KIAA0298 gene, complete cds /cds=  
39231\_at Cluster Incl. AF006513:Homo sapiens CHD1 mRNA, complete cds /cds=(163,5  
40343\_at Cluster Incl. AJ005814:Homo sapiens mRNA for hoxA7 protein /cds=(106,79  
40645\_at Cluster Incl. L33801:Human protein kinase mRNA, complete cds /cds=(39,1  
41091\_at Cluster Incl. U05237:Human fetal Alz-50-reactive clone 1 (FAC1) mRNA, c  
35 32129\_at Cluster Incl. AL079314:Homo sapiens mRNA full length insert cDNA clone  
34211\_at Cluster Incl. AL079697:DKFZp434E1930\_r1 Homo sapiens cDNA, 5 end /clon  
34234\_f\_at Cluster Incl. AI688640:wd40b07.x1 Homo sapiens cDNA, 3 end /clone=IM  
34279\_at Cluster Incl. AL050141:Homo sapiens mRNA; cDNA DKFZp586O031 (from  
clone

- 37935\_at Cluster Incl. AF016369:Homo sapiens U4/U6 small nuclear ribonucleoprote
- 32800\_at Cluster Incl. U66306:Human retinoid X receptor alpha mRNA, 3 UTR, parti
- 33381\_at Cluster Incl. AF012108:Homo sapiens Amplified in Breast Cancer (AIB1) m
- 33404\_at Cluster Incl. U02390:Human adenylyl cyclase-associated protein homolog
- 5 36210\_g\_at Cluster Incl. S78771:NAT=CpG island-associated gene [human, mRNA, 174
- 36999\_at Cluster Incl. S66431:RBP2=retinoblastoma binding protein 2 [human, Nalm
- 39518\_at Cluster Incl. H97470:yw11b04.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 39540\_at Cluster Incl. AF000561:Homo sapiens TTF-I interacting peptide 21 mRNA,
- 39844\_at Cluster Incl. AI806379:wf27b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 10 40581\_at Cluster Incl. U42390:Homo sapiens Trio mRNA, complete cds /cds=(66,8651
- 40990\_at Cluster Incl. AF065389:Homo sapiens tetraspan NET-4 mRNA, complete cds
- 41591\_at Cluster Incl. AI652978:wb42a05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 32509\_at Cluster Incl. AI307607:tb15h10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 1253\_at L33801 /FEATURE= /DEFINITION=HUMGLSYKIN Human protein kinase mRNA,
- 15 compl
- 1124\_at L04731 /FEATURE= /DEFINITION=HUMTRLALL1 Homo sapiens translocation T(4:1
- 693\_g\_at Adenylyl Cyclase-Associated Protein 2
- 199\_s\_at U33052 /FEATURE= /DEFINITION=HSU33052 Human lipid-activated, protein
- ki
- 20
- METAGENE 483 :
- 39966\_at Cluster Incl. AF059274:Homo sapiens neuroglycan C mRNA, complete cds /c
- 41652\_at Cluster Incl. AL031228:dJ1033B10.12 (collagen, type XI, alpha 2 (COL11A
- 25 33809\_at Cluster Incl. AL049933:Homo sapiens mRNA; cDNA DKFZp564K1216 (from
- clon
- 34721\_at Cluster Incl. U42031:Human 54 kDa progesterone receptor-associated immu
- 35185\_at Cluster Incl. AJ002962:Homo sapiens mRNA for hB-FABP /cds=(76,474) /gb=
- 34848\_at Cluster Incl. X69141:H.sapiens mRNA for squalene synthase /cds=(91,1344
- 30
- METAGENE 484 :
- 31671\_at Cluster Incl. D82351:Human retropseudogene MSSP-1 DNA, complete cds /cd
- 31672\_g\_at Cluster Incl. D82351:Human retropseudogene MSSP-1 DNA, complete cds /
- 35 34110\_g\_at Cluster Incl. AF010310:Homo sapiens p53 induced protein mRNA, partial
- 38945\_at Cluster Incl. X78710:H.sapiens MTF-1 mRNA for metal-regulatory transcri
- 41449\_at Cluster Incl. AJ000534:Homo sapiens mRNA for epsilon-sarcoglycan /cds=(
- 32073\_at Cluster Incl. AB014577:Homo sapiens mRNA for KIAA0677 protein, complete
- 33705\_at Cluster Incl. L20971:Human phosphodiesterase mRNA, complete cds /cds=(7

- 34176\_at Cluster Incl. AF091087:Homo sapiens clone 643 unknown mRNA, complete se  
 34845\_at Cluster Incl. AL035398:Human DNA sequence from clone 796I17 on chromoso  
 36680\_at Cluster Incl. M24895:Homo sapiens alpha-amylase mRNA, complete cds /cds  
 40614\_at Cluster Incl. X75342:H.sapiens SHB mRNA /cds=(310,2100) /gb=X75342 /gi=  
 .5 754\_s\_at D87002 /FEATURE=cds#1 /DEFINITION=D87002 Homo sapiens  
 immunoglobulin la  
 333\_s\_at Single-Stranded Dna-Binding Protein Mssp-1

## METAGENE 485 :

10

- 33693\_at Cluster Incl. M76482:Human 130-kD pemphigus vulgaris antigen mRNA, comp  
 37473\_at Cluster Incl. AF061812:Homo sapiens keratin 16 (KRT16A) mRNA, complete  
 38489\_at Cluster Incl. M60047:Human heparin binding protein (HBp17) mRNA, comple  
 34281\_at Cluster Incl. AF039555:Homo sapiens visinin-like protein 1 (VSNL1) mRNA  
 15 38608\_at Cluster Incl. AA010777:ze22f06.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 39015\_f\_at Cluster Incl. L42611:Homo sapiens keratin 6 isoform K6e (KRT6E) mRNA,  
 39016\_r\_at Cluster Incl. L42611:Homo sapiens keratin 6 isoform K6e (KRT6E) mRNA,  
 601\_s\_at M28439 /FEATURE=cds /DEFINITION=HUMKER16A8 Human keratin type 16  
 gene,

20

## METAGENE 486 :

- 35141\_at Cluster Incl. Z97029:Homo sapiens mRNA for ribonuclease H I large subun  
 36968\_s\_at Cluster Incl. AL050353:Homo sapiens mRNA; cDNA DKFZp547C0410 (from cl  
 25 39094\_at Cluster Incl. AI991631:wr12h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40255\_at Cluster Incl. AC004531:Homo sapiens Chromosome 16 BAC clone CIT987SK-A-  
 32589\_at Cluster Incl. U20979:Human chromatin assembly factor-I p150 subunit mRN  
 1797\_at U40343 /FEATURE= /DEFINITION=HSU40343 Human CDK inhibitor p19INK4d  
 mRNA,

30

## METAGENE 487 :

- 37133\_at Cluster Incl. AF027406:Homo sapiens muscle-specific serine kinase 1 (MS  
 38261\_at Cluster Incl. AF085692:Homo sapiens multidrug resistance-associated pro  
 35 34382\_at Cluster Incl. AJ003112:Homo sapiens mRNA for doublecortin /cds=(415,149  
 1930\_at U83659 /FEATURE= /DEFINITION=HSU83659 Human multidrug resistance-associa

## METAGENE 488 :

- 32879\_at Cluster Incl. AL080233:Homo sapiens mRNA; cDNA DKFZp586L111 (from clone
- 38691\_s\_at Cluster Incl. J03553:Human pulmonary surfactant protein (SP5) mRNA, c
- 40957\_at Cluster Incl. D63881:Human mRNA for KIAA0160 gene, partial cds /cds=(0,
- 5**
- METAGENE 489 :
- 31734\_at Cluster Incl. AJ000041:Homo sapiens mRNA for HOXC11 /cds=(44,958) /gb=A
- 32444\_at Cluster Incl. X69392:H.sapiens mRNA for ribosomal protein L26 /cds=(6,4
- 10** 36446\_s\_at Cluster Incl. L24521:Human transformation-related protein mRNA, 3 en
- 32272\_at Cluster Incl. K00558:human alpha-tubulin mRNA, complete cds /cds=(67,14
- 33458\_r\_at Cluster Incl. AI688098:wc92f08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 37152\_at Cluster Incl. L07592:Human peroxisome proliferator activated receptor m
- 37827\_r\_at Cluster Incl. AJ237839:Homo sapiens mRNA for hypothetical protein /cd
- 15** 41663\_at Cluster Incl. AF038202:Homo sapiens clone 23570 mRNA sequence /cds=UNKN
- 31885\_at Cluster Incl. M64572:Human protein tyrosine phosphatase mRNA, complete
- 33262\_at Cluster Incl. M31659:Human GT mitochondrial solute carrier protein homo
- 36517\_at Cluster Incl. M96982:Homo sapiens U2 snRNP auxiliary factor small subun
- 39767\_at Cluster Incl. D13627:Human mRNA for KIAA0002 gene, complete cds /cds=(2
- 20** 40124\_at Cluster Incl. Y18418:Homo sapiens mRNA for erythrocyte cytosolic protei
- 40418\_at Cluster Incl. X74262:H.sapiens RbAp48 mRNA encoding retinoblastoma bind
- 40881\_at Cluster Incl. X64330:H.sapiens mRNA for ATP-citrate lyase /cds=(84,3401
- 41224\_at Cluster Incl. AB018331:Homo sapiens mRNA for KIAA0788 protein, partial
- 32853\_at Cluster Incl. AB018262:Homo sapiens mRNA for KIAA0719 protein, complete
- 25** 33859\_at Cluster Incl. U96915:Homo sapiens sin3 associated polypeptide p18 (SAP1
- 34891\_at Cluster Incl. AI540958:PEC1.2\_15\_H01.r Homo sapiens cDNA, 5 end /clone
- 36572\_r\_at Cluster Incl. D31885:Human mRNA for KIAA0069 gene, partial cds /cds=(
- 36620\_at Cluster Incl. X02317:Human mRNA for Cu/Zn superoxide dismutase (SOD) /c
- 37050\_r\_at Cluster Incl. AI130910:qb81g08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 30** 37670\_at Cluster Incl. J04543:Human synexin mRNA, complete cds /cds=(60,1460) /g
- 37686\_s\_at Cluster Incl. Y09008:H.sapiens mRNA for uracil-DNA glycosylase /cds=(
- 38485\_at Cluster Incl. AA760866:nz14h07.s1 Homo sapiens cDNA /clone=IMAGE-128780
- 39127\_f\_at Cluster Incl. X73478:H.sapiens hPTPA mRNA /cds=(189,1160) /gb=X73478
- 35** METAGENE 490 :
- 35635\_at Cluster Incl. AL080202:Homo sapiens mRNA; cDNA DKFZp434F172 (from clone
- 37908\_at Cluster Incl. U31384:Human G protein gamma-11 subunit mRNA, complete cd

41767\_r\_at Cluster Incl. AB020662:Homo sapiens mRNA for KIAA0855 protein, partial  
 34884\_at Cluster Incl. D90282:Human carbamyl phosphate synthetase I (EC 6.3.4.16)

## METAGENE 491 :

5

34473\_at Cluster Incl. AF051151:Homo sapiens Toll/interleukin-1 receptor-like pr  
 35425\_at Cluster Incl. AJ243512:Homo sapiens mRNA for Barx2 protein (Barx2 gene)  
 39580\_at Cluster Incl. AB014549:Homo sapiens mRNA for KIAA0649 protein, complete  
 41372\_at Cluster Incl. AB020638:Homo sapiens mRNA for KIAA0831 protein, complete  
 10 41389\_s\_at Cluster Incl. U46193:Human renal cell carcinoma antigen RAGE-3 mRNA,  
 31852\_at Cluster Incl. AL050390:Homo sapiens mRNA; cDNA DKFZp564O043 (from  
 clone  
 32139\_at Cluster Incl. Y09538:H.sapiens mRNA for ZNF185 gene /cds=(40,1398) /gb=  
 35253\_at Cluster Incl. AB011143:Homo sapiens mRNA for KIAA0571 protein, complete  
 15 35719\_at Cluster Incl. AB011178:Homo sapiens mRNA for KIAA0606 protein, partial  
 37230\_at Cluster Incl. AB007938:Homo sapiens mRNA for KIAA0469 protein, complete  
 39771\_at Cluster Incl. AB018283:Homo sapiens mRNA for KIAA0740 protein, complete  
 40087\_at Cluster Incl. AF020202:Homo sapiens Munc13 mRNA, complete cds /cds=(224  
 32172\_at Cluster Incl. AL096858:Novel human gene mapping to chromosome 1 /cds=(33  
 20 32205\_at Cluster Incl. AF072860:Homo sapiens protein activator of the interferon  
 33895\_at Cluster Incl. AL050373:Homo sapiens mRNA; cDNA DKFZp586F1318 (from  
 clon  
 34355\_at Cluster Incl. AJ132917:Homo sapiens mRNA for methyl-CpG-binding protein  
 35279\_at Cluster Incl. U33821:Human tax1-binding protein TXBP151 mRNA, complete  
 25 36588\_at Cluster Incl. AB018353:Homo sapiens mRNA for KIAA0810 protein, partial  
 36689\_at Cluster Incl. AL040446:DKFZp434D1414\_r1 Homo sapiens cDNA, 5' end /clon  
 36960\_at Cluster Incl. U89278:Human polyhomeotic 2 homolog (HPH2) mRNA, complete  
 40175\_at Cluster Incl. AI141670:ot08b12.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 40242\_at Cluster Incl. L36529:Human (clone N5-4) protein p84 mRNA, complete cds  
 30 1787\_at U22398 /FEATURE= /DEFINITION=HSU22398 Human Cdk-inhibitor p57KIP2 (KIP2)

## METAGENE 492 :

34075\_at Cluster Incl. AJ001019:Homo sapiens mRNA for RNF3A (DONG1) ring finger  
 35 34169\_s\_at Cluster Incl. U57627:Human fetal brain oculocerebrorenal syndrome (OC  
 35039\_at Cluster Incl. D87466:Human mRNA for KIAA0276 gene, partial cds /cds=(0,  
 41003\_at Cluster Incl. U41816:Human C-1 mRNA, complete cds /cds=(11,403) /gb=U41  
 31854\_at Cluster Incl. AF035582:Homo sapiens CASK mRNA, complete cds /cds=(15,27  
 31883\_at Cluster Incl. AF025794:Homo sapiens methionine synthase reductase (MTRR



	32051_at	Cluster Incl. AJ224875:Homo sapiens mRNA for putative glucosyltransferase
	32059_at	Cluster Incl. U79282:Human clone 23801 mRNA sequence /cds=UNKNOWN
	/gb=U	
	36031_at	Cluster Incl. AB024401:Homo sapiens mRNA for p33, complete cds /cds=(45
5	36527_at	Cluster Incl. AL050405:Novel human gene mapping to chromosome X /cds=(39
	39064_at	Cluster Incl. L38928:Homo sapiens 5,10-methenyltetrahydrofolate synthetase
	39387_at	Cluster Incl. U34044:Human selenium donor protein (selD) mRNA, complete
	39435_at	Cluster Incl. D45333:HUMHG7879 Homo sapiens cDNA /gb=D45333
	/gi=1136736	
10	40816_at	Cluster Incl. L07758:Human IEF SSP 9502 mRNA, complete cds /cds=(87,159
	40826_at	Cluster Incl. M80359:Human protein p78 mRNA, complete cds /cds=(171,231
	40865_at	Cluster Incl. U51166:Human G/T mismatch-specific thymine DNA glycosylase
	41757_at	Cluster Incl. W25933:15b2 Homo sapiens cDNA /gb=W25933 /gi=1306056 /ug=
	41780_at	Cluster Incl. U22816:Human LAR-interacting protein 1b mRNA, complete cd
15	32171_at	Cluster Incl. AL080102:Homo sapiens mRNA; cDNA DKFZp564N1916 (from
	clon	
	32196_at	Cluster Incl. AB020636:Homo sapiens mRNA for KIAA0829 protein, partial
	32221_at	Cluster Incl. AL050361:Homo sapiens mRNA; cDNA DKFZp564H0223 (from
	clon	
20	33389_at	Cluster Incl. U23942:Human lanosterol 14-demethylase cytochrome P450 (C
	33930_at	Cluster Incl. AB020724:Homo sapiens mRNA for KIAA0917 protein, partial
	34813_at	Cluster Incl. AL079283:Homo sapiens mRNA full length insert cDNA clone
	34825_at	Cluster Incl. AL031775:dJ30M3.3 (novel protein similar to C. elegans Y6
	35838_at	Cluster Incl. U90919:Human clones 23667 and 23775 zinc finger protein m
25	36186_at	Cluster Incl. L37368:Human (clone E5.1) RNA-binding protein mRNA, compl
	36655_at	Cluster Incl. L27476:Human X104 mRNA, complete cds /cds=(79,3429) /gb=L
	37007_at	Cluster Incl. U49188:Human placenta (Diff33) mRNA, complete cds /cds=(1
	37651_at	Cluster Incl. D31888:Human mRNA for KIAA0071 gene, partial cds /cds=(0,
	37703_at	Cluster Incl. Y08201:Homo sapiens mRNA for rab geranylgeranyl transferase
30	37736_at	Cluster Incl. D13892:Human mRNA for carboxyl methyltransferase, complet
	38443_at	Cluster Incl. U79291:Human clone 23721 mRNA sequence /cds=UNKNOWN
	/gb=U	
	38455_at	Cluster Incl. AL049650:dJ734P14.2.1 (snRNP (small nuclear ribonucleopro
	41579_s_at	Cluster Incl. AI952267:wx50d11.x1 Homo sapiens cDNA, 3' end /clone=IM
35	41595_at	Cluster Incl. AB023164:Homo sapiens mRNA for KIAA0947 protein, partial
	41823_at	Cluster Incl. AJ132258:Homo sapiens mRNA for staufen protein, partial /
	1394_at	L25080 /FEATURE= /DEFINITION=HUMRH0AA Homo sapiens GTP-binding protein (
	1188_g_at	X84740 /FEATURE=mRNA /DEFINITION=HSDNALIG3 H.sapiens mRNA for
	DNA liga	

379\_at AB006679 /FEATURE= /DEFINITION=AB006679 Homo sapiens mRNA for ATP binding

METAGENE 493 :

- 5 39260\_at Cluster Incl. U59185:Human putative monocarboxylate transporter (MCT) m  
 39003\_at Cluster Incl. Z50022:H.sapiens mRNA for surface glycoprotein /cds=(93,6  
 34329\_at Cluster Incl. N25547:yx76e06.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 38370\_at Cluster Incl. U90902:Human clone 23612 mRNA sequence /cds=UNKNOWN  
 /gb=U

10

METAGENE 494 :

- 31936\_s\_at Cluster Incl. AB007890:Homo sapiens KIAA0430 mRNA, complete cds /cds=  
 33543\_s\_at Cluster Incl. U77718:Human desmosome associated protein pinin mRNA, c  
 15 34445\_at Cluster Incl. AB007940:Homo sapiens mRNA for KIAA0471 protein, complete  
 37819\_at Cluster Incl. AF007130:Homo sapiens clone 23750 unknown mRNA, partial c  
 38892\_at Cluster Incl. D87077:Human mRNA for KIAA0240 gene, partial cds /cds=(0,  
 40308\_at Cluster Incl. AI830496:wh51h03.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41379\_at Cluster Incl. AB011166:Homo sapiens mRNA for KIAA0594 protein, partial  
 20 41436\_at Cluster Incl. AJ224901:Homo sapiens mRNA for ZNF198 protein /cds=(184,4  
 41621\_i\_at Cluster Incl. AA868898:ak55b08.s1 Homo sapiens cDNA, 3 end /clone=IM  
 41638\_at Cluster Incl. D38552:Human mRNA for KIAA0073 gene, partial cds /cds=(0,  
 41690\_at Cluster Incl. AL049471:Homo sapiens mRNA; cDNA DKFZp586N012 (from  
 clone  
 25 41710\_at Cluster Incl. AL079277:Homo sapiens mRNA full length insert cDNA clone  
 31851\_at Cluster Incl. AJ224819:Homo sapiens mRNA for candidate tumor suppressor  
 32085\_at Cluster Incl. AB023198:Homo sapiens mRNA for KIAA0981 protein, partial  
 33297\_at Cluster Incl. AL031778:dJ34B21.3 (PUTATIVE novel protein) /cds=(297,557  
 34196\_at Cluster Incl. AI337901:qt34f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 30 34269\_at Cluster Incl. AL050102:Homo sapiens mRNA; cDNA DKFZp586F1019 (from  
 clon  
 34657\_at Cluster Incl. AB014529:Homo sapiens mRNA for KIAA0629 protein, partial  
 35163\_at Cluster Incl. AB028964:Homo sapiens mRNA for KIAA1041 protein, complete  
 36845\_at Cluster Incl. D50926:Human mRNA for KIAA0136 gene, partial cds /cds=(0,  
 35 36860\_at Cluster Incl. AB028987:Homo sapiens mRNA for KIAA1064 protein, partial  
 37617\_at Cluster Incl. U90912:Human clone 23865 mRNA sequence /cds=UNKNOWN  
 /gb=U  
 38357\_at Cluster Incl. AL049321:Homo sapiens mRNA; cDNA DKFZp564D156 (from  
 clone

	38667_at	Cluster Incl. AA189161:zq45g01.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	39065_s_at	Cluster Incl. D83077:Homo sapiens mRNA for TPRD, complete cds /cds=(1
	39434_at	Cluster Incl. AB011164:Homo sapiens mRNA for KIAA0592 protein, partial
	39797_at	Cluster Incl. AB002347:Human mRNA for KIAA0349 gene, partial cds /cds=(
5	40404_s_at	Cluster Incl. U18291:Human CDC16Hs mRNA, complete cds /cds=(24,1883)
	40431_at	Cluster Incl. AB007891:Homo sapiens KIAA0431 mRNA, partial cds /cds=(96
	40453_s_at	Cluster Incl. U30826:Human splicing factor SRp40-1 (SRp40) mRNA, comp
	40485_at	Cluster Incl. AA176780:zp32a10.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	40786_at	Cluster Incl. U37352:Human protein phosphatase 2A Balphal regulatory su
10	40828_at	Cluster Incl. D63476:Human mRNA for KIAA0142 gene, complete cds /cds=(4
	41129_at	Cluster Incl. D26067:Human mRNA for KIAA0033 gene, partial cds /cds=(0,
	41174_at	Cluster Incl. AF012086:Homo sapiens Ran binding protein 2 (RanBP2alpha)
	41179_at	Cluster Incl. AB029023:Homo sapiens mRNA for KIAA1100 protein, complete
	41784_at	Cluster Incl. AL080186:Homo sapiens mRNA; cDNA DKFZp564B0769 (from
15	clon	
	32160_at	Cluster Incl. U76247:Human hSIAH1 mRNA, complete cds /cds=(186,1034) /g
	32183_at	Cluster Incl. M74002:Human arginine-rich nuclear protein mRNA, complete
	32187_at	Cluster Incl. AB028973:Homo sapiens mRNA for KIAA1050 protein, partial
	32219_at	Cluster Incl. D50927:Human mRNA for KIAA0137 gene, complete cds /cds=(1
20	33457_at	Cluster Incl. AB029028:Homo sapiens mRNA for KIAA1105 protein, partial
	33817_at	Cluster Incl. S63912:D10S102=FBRNP [human, fetal brain, mRNA, 3043 nt]
	33835_at	Cluster Incl. AB018264:Homo sapiens mRNA for KIAA0721 protein, partial
	34353_at	Cluster Incl. AB014548:Homo sapiens mRNA for KIAA0648 protein, partial
	34411_at	Cluster Incl. Y10387:H.sapiens mRNA for PAPS synthetase /cds=(36,1910)
25	34804_at	Cluster Incl. AL049246:Homo sapiens mRNA; cDNA DKFZp564C053 (from
	clone	
	35268_at	Cluster Incl. AL050171:Homo sapiens mRNA; cDNA DKFZp586F1122 (from
	clon	
	35289_at	Cluster Incl. AJ011679:Homo sapiens mRNA for Rab6 GTPase activating pro
30	35317_at	Cluster Incl. AB014579:Homo sapiens mRNA for KIAA0679 protein, partial
	36133_at	Cluster Incl. AL031058:Human DNA sequence from clone 512B11 on chromoso
	36628_at	Cluster Incl. L42542:Human RLIP76 protein mRNA, complete cds /cds=(223,
	36636_at	Cluster Incl. M12267:Human ornithine aminotransferase mRNA, complete cd
	36946_at	Cluster Incl. D86550:Human mRNA for serine/threonine protein kinase, co
35	37034_at	Cluster Incl. U73477:Human acidic nuclear phosphoprotein pp32 mRNA, com
	37694_at	Cluster Incl. D87685:Human mRNA for KIAA0244 gene, partial cds /cds=(0,
	37718_at	Cluster Incl. D43636:Human mRNA for KIAA0096 gene, partial cds /cds=(0,
	38050_at	Cluster Incl. D79986:Human mRNA for KIAA0164 gene, complete cds /cds=(2
	38062_at	Cluster Incl. D87467:Human mRNA for KIAA0277 gene, complete cds /cds=(5

- 38073\_at Cluster Incl. AB007858:Homo sapiens KIAA0398 mRNA, complete cds /cds=(1  
38102\_at Cluster Incl. W28575:51f12 Homo sapiens cDNA /gb=W28575 /gi=1308730 /ug  
38105\_at Cluster Incl. W26521:32g11 Homo sapiens cDNA /gb=W26521 /gi=1307382 /ug  
38764\_at Cluster Incl. AF007142:Homo sapiens clone 23938 mRNA sequence /cds=UNKN  
5 38818\_at Cluster Incl. Y08685:H.sapiens mRNA for serine palmitoyltransferase, su  
38837\_at Cluster Incl. W26226:22e3 Homo sapiens cDNA /gb=W26226 /gi=1306637 /ug=  
38843\_at Cluster Incl. AL079310:Novel human gene mapping to chromosome 22 /cds=(5  
39091\_at Cluster Incl. AF070523:Homo sapiens JWA protein mRNA, complete cds /cds  
39117\_at Cluster Incl. AB014562:Homo sapiens mRNA for KIAA0662 protein, partial  
10 39131\_at Cluster Incl. N36842:yy35g03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
39132\_at Cluster Incl. AB010882:Homo sapiens mRNA for hSNF2H, complete cds /cds=  
39163\_at Cluster Incl. W27233:24b7 Homo sapiens cDNA /gb=W27233 /gi=1306749 /ug=  
39507\_at Cluster Incl. AL050366:Homo sapiens mRNA; cDNA DKFZp564A126 (from  
clone  
15 39897\_at Cluster Incl. N36997:yy39g07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
41283\_at Cluster Incl. AF052131:Homo sapiens clone 23930 mRNA sequence /cds=UNKN  
41529\_g\_at Cluster Incl. W72239:zd62h08.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
41808\_at Cluster Incl. AF052102:Homo sapiens clone 23926 mRNA sequence /cds=UNKN  
41836\_at Cluster Incl. U94836:Human ERPROT 213-21 mRNA, complete cds /cds=(88,27  
20 33125\_at Cluster Incl. AL043470:DKFZp434A0327\_s1 Homo sapiens cDNA, 3 end /clon  
2063\_at L20046 /FEATURE= /DEFINITION=HUMERCC5A Human ERCC5 excision repair prote  
1512\_at D86550 /FEATURE= /DEFINITION=D86550 Human mRNA for serine/threonine prot  
176\_at U37352 /FEATURE= /DEFINITION=HSU37352 Human protein phosphatase 2A B alph  
25 METAGENE 495 :  
31514\_at Cluster Incl. AF034970:Homo sapiens docking protein (DOK-2) mRNA, compl  
33085\_at Cluster Incl. U64863:Human hPD-1 (hPD-1) mRNA, complete cds /cds=(68,93  
36372\_at Cluster Incl. U51333:Human hexokinase III (HK3) mRNA, complete cds /cds  
30 36798\_g\_at Cluster Incl. J04168:Human leukosialin mRNA, complete cds /cds=(95,12  
37148\_at Cluster Incl. AF025533:Homo sapiens leucocyte immunoglobulin-like recep  
40327\_at Cluster Incl. U57052:Human Hoxb-13 mRNA, complete cds /cds=(54,908) /gb  
40668\_s\_at Cluster Incl. U34624:Human T cell surface glycoprotein CD-6 mRNA, com  
40712\_at Cluster Incl. D26579:Homo sapiens mRNA for transmembrane protein, compl  
35 41718\_g\_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8  
34293\_at Cluster Incl. AF004426:Homo sapiens microtubule-based motor (HsKIFC3) m  
36008\_at Cluster Incl. AF041434:Homo sapiens potentially prenylated protein tyro  
36052\_at Cluster Incl. U43959:Human beta 4 adducin mRNA, alternatively spliced p  
37238\_s\_at Cluster Incl. AF014118:Homo sapiens membrane-associated kinase (Myt1)

- 39778\_at Cluster Incl. M55621:Human N-acetylglucosaminyltransferase I (GlcNAc-TI  
 41764\_at Cluster Incl. AA976838:oaq35c12.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 33374\_at Cluster Incl. L09708:Human complement component 2 (C2) gene allele b /c  
 33393\_at Cluster Incl. AJ237946:Homo sapiens mRNA for DEAD Box Protein 5 /cds=(0  
**5** 36195\_at Cluster Incl. U07681:Human NAD(H)-specific isocitrate dehydrogenase alp  
 39845\_at Cluster Incl. AF020760:Homo sapiens serine protease (Omi) mRNA, complet  
 1983\_at X68452 /FEATURE=cds /DEFINITION=HSCYCD2 H.sapiens mRNA for cyclin D2  
 1445\_at AF014958 /FEATURE= /DEFINITION=AF014958 Homo sapiens chemokine receptor  
 703\_at Immunoglobulin Heavy Chain, Vdjrc Regions  
**10** 608\_at M12529 /FEATURE=mRNA /DEFINITION=HUMAPOE Human apolipoprotein E mRNA,  
 com

## METAGENE 496 :

- 15** 37162\_at Cluster Incl. S72869:H4(D10S170)=putative cytoskeletal protein [human,  
 40666\_at Cluster Incl. AF039918:Homo sapiens CD39L4 (CD39L4) mRNA, complete cds  
 31788\_at Cluster Incl. AB014537:Homo sapiens mRNA for KIAA0637 protein, complete  
 35140\_at Cluster Incl. R59697:yh11b03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-  
 36100\_at Cluster Incl. AF022375:Homo sapiens vascular endothelial growth factor  
**20** 36101\_s\_at Cluster Incl. M63978:Human vascular endothelial growth factor gene /c  
 38010\_at Cluster Incl. AF002697:Homo sapiens E1B 19K/Bcl-2-binding protein Nip3  
 32545\_r\_at Cluster Incl. L12535:Human RSU-1/RSP-1 mRNA, complete cds /cds=(827,1  
 1953\_at AF024710 /FEATURE= /DEFINITION=AF024710 Homo sapiens vascular endothelia  
 1265\_g\_at M25393 /FEATURE= /DEFINITION=HUMPTPASE Human protein tyrosine  
**25** phosphat

## METAGENE 497 :

- 32478\_f\_at Cluster Incl. AL031133:dJ281H8.4 (Ubiquitin-Like protein SMT3 LIKE) /  
**30** 33620\_at Cluster Incl. X16667:Human HOX2G mRNA from the Hox2 locus /cds=(363,165  
 36391\_at Cluster Incl. AF048730:Homo sapiens cyclin T1 mRNA, complete cds /cds=(  
 32355\_at Cluster Incl. AL050270:Homo sapiens mRNA; cDNA DKFZp564D166 (from  
 clone  
 37155\_at Cluster Incl. AB020675:Homo sapiens mRNA for KIAA0868 protein, partial  
**35** 37508\_f\_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250  
 41374\_at Cluster Incl. AB016869:Homo sapiens mRNA for p70 ribosomal S6 kinase be  
 33794\_g\_at Cluster Incl. U19345:Homo sapiens AR1 (TCF20) mRNA, partial cds /cds=  
 34727\_at Cluster Incl. AI800578:wg12b07.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35198\_at Cluster Incl. AF070596:Homo sapiens clone 24796 mRNA sequence /cds=UNKN

- 37946\_at Cluster Incl. M60724:Human p70 ribosomal S6 kinase alpha-I mRNA, comple  
 39343\_at Cluster Incl. AW026656:vv15c06.x1 Homo sapiens cDNA, 3' end /clone=IMAG  
 40792\_s\_at Cluster Incl. AF091395:Homo sapiens Trio isoform mRNA, complete cds /  
 33377\_at Cluster Incl. X03168:Human mRNA for S-protein /cds=(61,1497) /gb=X03168  
 5 33855\_at Cluster Incl. M96995:Homo sapiens epidermal growth factor receptor-bind  
 37012\_at Cluster Incl. U03271:Human F-actin capping protein beta subunit mRNA, c  
 37711\_at Cluster Incl. S57212:hMEF2C=myocyte enhancer-binding factor 2 [human, s  
 40980\_at Cluster Incl. W26477:30b5 Homo sapiens cDNA /gb=W26477 /gi=1307176 /ug=  
 1578\_g\_at M23263 /FEATURE= /DEFINITION=HUMARB Human androgen receptor  
 10 mRNA, comp  
 834\_at U40462 /FEATURE= /DEFINITION=HSU40462 Human Ikaros/LyF-1 homolog (hIk-1)  
 842\_at U48251 /FEATURE= /DEFINITION=HSU48251 Homo sapiens protein kinase C-bind  
 446\_at U89896 /FEATURE= /DEFINITION=HSU89896 Homo sapiens casein kinase I gamma  
 315\_at D45132 /FEATURE= /DEFINITION=HUMHOXY1 Homo sapiens mRNA for zinc-finger  
 15 D

## METAGENE 498 :

- 34251\_at Cluster Incl. M92299:Human homeobox 2.1 protein (HOX2A) mRNA, complete  
 20 38358\_at Cluster Incl. AJ010840:Homo sapiens mRNA for ATP-dependent RNA helicase  
 160042\_s\_at X58431 /FEATURE=mRNA#1 /DEFINITION=HSHOX22 Human Hox2.2 gene  
 for a h

TABLE 9: List of Genes within the 29 Metagenes selected by the Model in the Breast Cancer Recurrence Study

METAGENE 2:

5

ans =

36711\_at

Cluster Incl. AL021977:bK447C4.1 (novel MAFF (v-maf musculoaponeurotic

37863\_at

Cluster Incl. J04076:Human early growth response 2 protein (EGR2) mRNA,

40448\_at

Cluster Incl. M92843:H.sapiens zinc finger transcriptional regulator mR

10

41755\_at

Cluster Incl. AB023194:Homo sapiens mRNA for KIAA0977 protein, complete

32786\_at

Cluster Incl. X51345:Human jun-B mRNA for JUN-B protein /cds=(253,1296)

33439\_at

Cluster Incl. D15050:Human mRNA for transcription factor AREB6, complet

36097\_at

Cluster Incl. M62831:Human transcription factor ETR101 mRNA, complete c

36669\_at

Cluster Incl. L49169:Human G0S3 mRNA, complete cds /cds=(593,1609) /gb=

15

36979\_at

Cluster Incl. M20681:Human glucose transporter-like protein-III (GLUT3)

38772\_at

Cluster Incl. Y11307:H.sapiens CYR61 mRNA /cds=(223,1368) /gb=Y11307 /g

39822\_s\_at

Cluster Incl. AF078077:Homo sapiens growth arrest and DNA-damage-indu

32583\_at

Cluster Incl. J04111:Human c-jun proto oncogene (JUN), complete cds, cl

33146\_at

Cluster Incl. L08246:Human myeloid cell differentiation protein (MCL1)

20

1915\_s\_at

V01512 /FEATURE=mRNA#1 /DEFINITION=HSCFOS Human cellular

oncogene c-fos

1916\_s\_at

V01512 /FEATURE=mRNA#2 /DEFINITION=HSCFOS Human cellular

oncogene c-fos

1895\_at

J04111 /FEATURE=exon#1 /DEFINITION=HUMJUN Human c-jun proto oncogene (J

25

1776\_at

L24564 /FEATURE= /DEFINITION=HUMRAD Human Rad mRNA, complete cds

789\_at

X52541 /FEATURE=cds /DEFINITION=HSEGR1 Human mRNA for early growth respon

277\_at

L08246 /FEATURE= /DEFINITION=HUMMCL1X Human myeloid cell differentiation

279\_at

L13740 /FEATURE= /DEFINITION=HUMTR3A Human TR3 orphan receptor mRNA,

comp

30

280\_g\_at

L13740 /FEATURE= /DEFINITION=HUMTR3A Human TR3 orphan receptor

mRNA, co

287\_at

L19871 /FEATURE= /DEFINITION=HUMATF3X Human activating transcription fact

190\_at

U12767 /FEATURE= /DEFINITION=HSU12767 Human mitogen induced nuclear orpha

35

METAGENE 20:

ans =

32352\_at

Cluster Incl. X52730:Human gene for phenylethanolamine N-methylase (PNM

- 37772\_at Cluster Incl. AB020711:Homo sapiens mRNA for KIAA0904 protein, partial  
 32064\_at Cluster Incl. Y13467:Homo sapiens mRNA for RB18A protein /cds=(235,4935  
 32679\_at Cluster Incl. D13634:Human mRNA for KIAA0009 gene, complete cds /cds=(1  
 33218\_at Cluster Incl. M11730:Human tyrosine kinase-type receptor (HER2) mRNA, c  
 5 38672\_at Cluster Incl. Y13247:Homo sapiens fb19 mRNA /cds=(539,3361) /gb=Y13247  
 36139\_at Cluster Incl. AL050289:Homo sapiens mRNA; cDNA DKFZp586G0522 (from  
 clon  
 37355\_at Cluster Incl. D38255:Homo sapiens mRNA for CAB1, complete cds /cds=(121  
 1802\_s\_at X03363 /FEATURE=cds /DEFINITION=HSEB2R Human c-erb-B-2 mRNA  
 10 1680\_at D43772 /FEATURE= /DEFINITION=HUMGRB7 Human squamous cell carcinoma of es

## METAGENE 81:

ans =

- 15 36364\_at Cluster Incl. L32961:Human 4-aminobutyrate aminotransferase (GABAT) mRN  
 36434\_r\_at Cluster Incl. AF017724:Homo sapiens glycine receptor alpha 3 subunit  
 38187\_at Cluster Incl. D90041:Human liver arylamine N-acetyltransferase (EC 2.3.  
 39227\_at Cluster Incl. AB006621:Homo sapiens mRNA for KIAA0283 gene, partial cds  
 39304\_g\_at Cluster Incl. Y14153:Homo sapiens mRNA for beta-transducin repeat con  
 20 40673\_at Cluster Incl. U12778:Human acyl-CoA dehydrogenase mRNA, complete cds /c  
 32667\_at Cluster Incl. M58526:Human alpha-5 collagen type IV (COL4A5) mRNA, 3 e  
 32676\_at Cluster Incl. M93405:Human methylmalonate semialdehyde dehydrogenase ge  
 34759\_at Cluster Incl. U68494:Human hbc647 mRNA sequence /cds=UNKNOWN  
 /gb=U68494  
 25 35238\_at Cluster Incl. AB000509:Homo sapiens mRNA for TRAF5, complete cds /cds=(  
 40522\_at Cluster Incl. X59834:Human rearranged mRNA for glutamine synthase /cds=  
 33358\_at Cluster Incl. W29087:56b8 Homo sapiens cDNA /gb=W29087 /gi=1309053 /ug=  
 33446\_at Cluster Incl. W26407:29b8 Homo sapiens cDNA /gb=W26407 /gi=1307106 /ug=  
 34862\_at Cluster Incl. AA005018:zh96a09.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
 30 35329\_at Cluster Incl. AF091084:Homo sapiens clone 638 unknown mRNA, complete se  
 35794\_at Cluster Incl. AB023159:Homo sapiens mRNA for KIAA0942 protein, partial  
 35822\_at Cluster Incl. L15702:Human complement factor B mRNA, complete cds /cds=  
 40244\_s\_at Cluster Incl. AI743654:wg41d01.x1 Homo sapiens cDNA, 3 end /clone=IM

## 35 METAGENE 86:

ans =

- 34586\_s\_at Cluster Incl. U51003:Human DLX-2 (Dlx2) mRNA, complete cds /cds=UNKNO  
 33950\_g\_at Cluster Incl. AF011406:Homo sapiens corticotropin releasing hormone r



- 38936\_at Cluster Incl. M16652:Human pancreatic elastase IIA mRNA, complete cds /  
 41413\_at Cluster Incl. AF037339:Homo sapiens cleft lip and palate transmembrane  
 33801\_at Cluster Incl. AF104222:Homo sapiens CD2 cytoplasmic domain binding prot  
 33806\_at Cluster Incl. AF052106:Homo sapiens clone 23781 mRNA sequence /cds=UNKN  
**5** 38663\_at Cluster Incl. AI033692:ow26f02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41356\_at Cluster Incl. W27619:35c7 Homo sapiens cDNA /gb=W27619 /gi=1307567 /ug=  
 1852\_at X02910 /FEATURE=expanded\_cds /DEFINITION=HSTNFA Human gene for tumor nec  
 1724\_at S75174 /FEATURE= /DEFINITION=S75174 E2F-4=transcription factor [human, N  
 438\_at X07767 /FEATURE=cds /DEFINITION=HSPKA Human mRNA for cAMP-dependent  
**10** prote

## METAGENE 109:

- ans =  
**15** 35853\_at Cluster Incl. AL049654:Novel human mRNA similar to mouse gene PICK1 (TR  
 37129\_at Cluster Incl. AI936758:wp69b11.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 37153\_at Cluster Incl. AB014573:Homo sapiens mRNA for KIAA0673 protein, partial  
 40033\_at Cluster Incl. AL022328:Human DNA sequence from clone 402G11 on chromoso  
 40705\_at Cluster Incl. AF103905:Homo sapiens Rap1 guanine-nucleotide exchange fa  
**20** 41036\_at Cluster Incl. AL022314:dJ1170K4.1 (novel protein similar to KIAA0176 an  
 31837\_at Cluster Incl. U62317:Chromosome 22q13 BAC Clone CIT987SK-384D8 complete  
 33707\_at Cluster Incl. AF058921:Homo sapiens cytosolic phospholipase A2-gamma mR  
 33708\_at Cluster Incl. AF045584:Homo sapiens PB39 mRNA, complete cds /cds=(76,17  
 34206\_at Cluster Incl. AB018325:Homo sapiens mRNA for KIAA0782 protein, partial  
**25** 34224\_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B  
 35156\_at Cluster Incl. AL050297:Homo sapiens mRNA; cDNA DKFZp564N123 (from  
 clone  
 35170\_at Cluster Incl. AF044414:Homo sapiens alpha mannosidase 6A8B (6a8b) mRNA,  
 36452\_at Cluster Incl. AB028952:Homo sapiens mRNA for KIAA1029 protein, complete  
**30** 37201\_at Cluster Incl. D38535:Human mRNA for PK-120 /cds=(129,2921) /gb=D38535 /  
 37268\_at Cluster Incl. U43368:Human VEGF related factor isoform VRF186 precursor  
 37992\_s\_at Cluster Incl. AI436567:ti03b09.x1 Homo sapiens cDNA, 3 end /clone=IM  
 38671\_at Cluster Incl. AB014520:Homo sapiens mRNA for KIAA0620 protein, partial  
 39424\_at Cluster Incl. U70321:Human herpesvirus entry mediator mRNA, complete cd  
**35** 41160\_at Cluster Incl. AC005943:Homo sapiens chromosome 19, cosmid R30538 /cds=(  
 33409\_at Cluster Incl. AA158243:zo76c01.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35823\_at Cluster Incl. M63573:Human secreted cyclophilin-like protein (SCYLP) mR  
 37042\_at Cluster Incl. U09577:Homo sapiens lysosomal hyaluronidase (LUCA2/HYAL2)  
 39893\_at Cluster Incl. AB010414:Homo sapiens mRNA for G-protein gamma 7, complet

- 40266\_at Cluster Incl. AB028959:Homo sapiens mRNA for KIAA1036 protein, complete  
 41532\_at Cluster Incl. Y09723:H.sapiens mRNA for Miz-1 protein /cds=(126,2537) /  
 1795\_g\_at M92287 /FEATURE= /DEFINITION=HUMCYCD3A Homo sapiens cyclin D3  
 (CCND3)
- 5** 1116\_at M28170 /FEATURE= /DEFINITION=HUMCSPC Human cell surface protein CD19 (CD  
 541\_g\_at S67070 /FEATURE= /DEFINITION=S67070 heat shock protein HSP72 homolog  
 [h  
 210\_at M95678 /FEATURE= /DEFINITION=HUMPLCB2A Homo sapiens phospholipase C-beta-  
 214\_at M97676 /FEATURE= /DEFINITION=HUMHOX7 Homo sapiens (region 7) homeobox pro
- 10** METAGENE 133:
- ans =
- 41700\_at Cluster Incl. M62424:Human thrombin receptor mRNA, complete cds /cds=(2  
**15** 37279\_at Cluster Incl. U10550:Human Gem GTPase (gem) mRNA, complete cds /cds=(21  
 38125\_at Cluster Incl. M14083:Human beta-migrating plasminogen activator inhibit  
 38767\_at Cluster Incl. AF041037:Homo sapiens novel antagonist of FGF signaling (  
 2094\_s\_at K00650 /FEATURE=cds /DEFINITION=HUMFOS Human fos proto-oncogene (c-  
 fos
- 20** 2062\_at L19182 /FEATURE= /DEFINITION=HUMMAC25X Human MAC25 mRNA, complete  
 cds  
 1911\_s\_at M60974 /FEATURE= /DEFINITION=HUMGADD45 Human growth arrest and  
 DNA-dam  
 1005\_at X68277 /FEATURE=cds /DEFINITION=HSCL100 H.sapiens CL 100 mRNA for protei
- 25** 735\_s\_at Protein Kinase Ht31, Camp-Dependent
- METAGENE 143:
- ans =
- 30** 35382\_at Cluster Incl. AF043244:Homo sapiens apoptosis repressor ARC (ARC) mRNA,  
 41861\_at Cluster Incl. AL050019:Homo sapiens mRNA; cDNA DKFZp564C186 (from  
 clone  
 35994\_at Cluster Incl. AC002398:Human DNA from chromosome 19-specific cosmid F25  
 33424\_at Cluster Incl. Y00281:Human mRNA for ribophorin I /cds=(137,1960) /gb=Y0
- 35** 34366\_g\_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, co  
 35338\_at Cluster Incl. X17094:Human fur mRNA for furin /cds=(216,2600) /gb=X1709  
 36150\_at Cluster Incl. AB020649:Homo sapiens mRNA for KIAA0842 protein, partial  
 1879\_at M14949 /FEATURE=cds /DEFINITION=HUMRASR2 Human R-ras gene, exons 2 throu  
 1649\_at U61836 /FEATURE=mRNA /DEFINITION=HSU61836 Human putative cyclin G1 inter

1333\_f\_at X02596 /FEATURE=cds /DEFINITION=HSBCRR Human mRNA for bcr  
(breakpoint  
537\_f\_atU07000 /FEATURE=cds#3 /DEFINITION=HSU07000 Human breakpoint cluster reg  
405\_at X52773 /FEATURE=cds /DEFINITION=HSRARLP Human mRNA for retinoic acid rece

5

METAGENE 149:

ans =

- 33646\_g\_at Cluster Incl. X61094:H.sapiens RNA for GM2-activator protein (clone p  
10 34172\_s\_at Cluster Incl. M99578:Human lymphocyte surface protein exons 1-5, comp  
35099\_at Cluster Incl. AF019225:Homo sapiens apolipoprotein L mRNA, complete cds  
35583\_at Cluster Incl. X99699:H.sapiens mRNA for XIAP associated factor-1 /cds=(  
36770\_at Cluster Incl. U18671:Human Stat2 gene, complete cds /cds=(57,2612) /gb=  
39264\_at Cluster Incl. M87284:Human 69 kDa 25 oligoadenylate synthetase (P69 2-  
15 38014\_at Cluster Incl. X79448:H.sapiens IFI-4 mRNA for type I protein /cds=(1165  
2066\_at L22474 /FEATURE= /DEFINITION=HUMBAXB Human Bax beta mRNA, complete cds  
1794\_at M92287 /FEATURE= /DEFINITION=HUMCYCD3A Homo sapiens cyclin D3 (CCND3)  
mR  
1457\_at M64174 /FEATURE= /DEFINITION=HUMPTKJAK1 Human protein-tyrosine kinase (J  
20 909\_g\_at M14660 /FEATURE=cds /DEFINITION=HUMISG2 Human ISG-54K gene  
(interferon  
865\_at U08316 /FEATURE= /DEFINITION=HSU08316 Human insulin-stimulated protein ki  
428\_s\_at V00567 /FEATURE=cds /DEFINITION=HSMGLO Human messenger RNA  
fragment for  
25 201\_s\_at S82297 /FEATURE= /DEFINITION=S82297 beta 2-microglobulin {11bp deleted

METAGENE 155:

ans =

- 30 31496\_g\_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, comple  
34607\_at Cluster Incl. AB023135:Homo sapiens mRNA for activation-inducible lymph  
32264\_at Cluster Incl. L23134:Homo sapiens metase (MET-1) mRNA, complete cds /cd  
32321\_at Cluster Incl. X56841:H.sapiens HLA-E gene /cds=(0,363) /gb=X56841 /gi=4  
32370\_at Cluster Incl. M57888:Human (clone lambda B34) cytotoxic T-lymphocyte-as  
35 33462\_at Cluster Incl. D13626:Human mRNA for KIAA0001 gene, complete cds /cds=(2  
34046\_at Cluster Incl. Z83844:Human DNA sequence from clone 37E16 on chromosome  
34432\_at Cluster Incl. AF051325:Homo sapiens SH3 domain containing adaptor prote  
34481\_at Cluster Incl. AF030227:untitled /cds=(97,2634) /gb=AF030227 /gi=3282618  
34914\_at Cluster Incl. U94778:Human PEST phosphatase interacting protein homolog

	34965_at	Cluster Incl. AF031824:Homo sapiens leukocystatin mRNA, complete cds /c
	36239_at	Cluster Incl. Z49194:H.sapiens mRNA for oct-binding factor /cds=(523,12
	36277_at	Cluster Incl. M23323:Human membrane protein (CD3-epsilon) gene /cds=(59
	36280_at	Cluster Incl. U26174:Human pre-granzyme 3 mRNA, complete cds /cds=(40,8
5	36293_at	Cluster Incl. U73531:Human G protein-coupled receptor STRL33.3 (STRL33)
	36314_at	Cluster Incl. U04806:Human FLT3/FLK2 ligand mRNA, complete cds /cds=(92
	37078_at	Cluster Incl. J04132:Human T cell receptor zeta-chain mRNA, complete cd
	37121_at	Cluster Incl. S69115:granulocyte colony-stimulating factor induced gene
	37137_at	Cluster Incl. M17016:Human serine protease-like protein mRNA, complete
10	37456_at	Cluster Incl. AL022315:dJ117715.3 (Lectin, Galactose-binding, soluble,
	37493_at	Cluster Incl. H04668:yj49e08.r1 Homo sapiens cDNA, 5' end /clone=IMAGE-
	37775_at	Cluster Incl. W25951:17d10 Homo sapiens cDNA /gb=W25951 /gi=1306236 /ug
	37845_at	Cluster Incl. M58285:Human membrane-associated protein (HEM-1) mRNA, co
	38149_at	Cluster Incl. D29642:Human mRNA for KIAA0053 gene, complete cds /cds=(1
15	38570_at	Cluster Incl. X03066:Human mRNA for HLA-D class II antigen DO beta chai
	38578_at	Cluster Incl. M63928:Homo sapiens T cell activation antigen (CD27) mRNA
	38893_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromosom
	38894_g_at	Cluster Incl. AL008637:Human DNA sequence from clone 833B7 on chromos
	38949_at	Cluster Incl. L01087:Human protein kinase C-theta (PRKCT) mRNA, complet
20	38964_r_at	Cluster Incl. U12707:Human Wiskott-Aldrich syndrome protein (WASP) mR
	39649_at	Cluster Incl. X78817:H.sapiens partial C1 mRNA /cds=(42,2882) /gb=X7881
	39672_at	Cluster Incl. M64322:Human protein tyrosine phosphatase (LPTPase) mRNA,
	39936_at	Cluster Incl. U95626:Homo sapiens ccr2b (ccr2); ccr2a (ccr2), ccr5 (ccr
	40296_at	Cluster Incl. AL023653:Human DNA sequence from clone 753P9 on chromosom
25	40667_at	Cluster Incl. X60992:H.sapiens CD6 mRNA for T cell glycoprotein CD6 /cd
	40699_at	Cluster Incl. M12824:Human T-cell differentiation antigen Leu-2/T8 mRNA
	40715_at	Cluster Incl. D83597:Homo sapiens mRNA for RP105, complete cds /cds=(14
	40718_at	Cluster Incl. AF013611:Homo sapiens lymphopain mRNA, complete cds /cds=
	40719_at	Cluster Incl. AL022398:dJ434O14.3.3 (novel protein) (isoform 3) /cds=(2
30	40720_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /cds
	40721_g_at	Cluster Incl. AL022398:dJ434O14.3.1 (putative protein) (isoform 1) /c
	40738_at	Cluster Incl. M16336:Human T-cell surface antigen CD2 (T11) mRNA, compl
	40757_at	Cluster Incl. M18737:Human Hanukah factor serine protease (HuHF) mRNA,
	41468_at	Cluster Incl. M30894:Human T-cell receptor Ti rearranged gamma-chain mR
35	41654_at	Cluster Incl. X02994:Human mRNA for adenosine deaminase (adenosine amin
	31820_at	Cluster Incl. X16663:Human HS1 gene for heamatopoietic lineage cell spe
	31870_at	Cluster Incl. X14046:Human mRNA for leukocyte antigen CD37 /cds=(63,908
	31901_at	Cluster Incl. AF044253:Homo sapiens potassium channel beta 2 subunit (H
	32070_at	Cluster Incl. X97267:H.sapiens LPAP gene /cds=(63,683) /gb=X97267 /gi=1

	32629_f_at	Cluster Incl. U90552:Human butyrophilin (BTF5) mRNA, complete cds /cd
	32704_at	Cluster Incl. D86964:Human mRNA for KIAA0209 gene, partial cds /cds=(0,
	32736_at	Cluster Incl. W68830:zd37g06.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-
	33238_at	Cluster Incl. U23852:Human T-lymphocyte specific protein tyrosine kinas
5	33243_at	Cluster Incl. AF099935:Homo sapiens MDC-3.13 isoform 2 mRNA, complete c
	33267_at	Cluster Incl. AF035315:Homo sapiens clone 23664 and 23905 mRNA sequence
	33748_at	Cluster Incl. D86976:Human mRNA for KIAA0223 gene, partial cds /cds=(0,
	33813_at	Cluster Incl. AI813532:wj83a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34210_at	Cluster Incl. N90866:zb11b10.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
10	35149_at	Cluster Incl. AI865431:wk11h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35625_at	Cluster Incl. X94630:H.sapiens CD97 gene exon 1 (and joined CDS) /cds=(
	36030_at	Cluster Incl. AL080214:Homo sapiens mRNA; cDNA DKFZp586I2223 (from clon
	36062_at	Cluster Incl. AF062075:Homo sapiens leupaxin mRNA, complete cds /cds=(9
	36493_at	Cluster Incl. M33552:Human lymphocyte-specific protein 1 (LSP1) mRNA, c
15	37541_at	Cluster Incl. U25956:Human P-selectin glycoprotein ligand (SELPLG) gene
	37591_at	Cluster Incl. U94592:Human uncoupling protein homolog (UCPH) mRNA, comp
	37625_at	Cluster Incl. U52682:Human lymphocyte specific interferon regulatory fa
	37645_at	Cluster Incl. Z22576:H.sapiens CD69 gene /cds=(81,680) /gb=Z22576 /gi=3
	38006_at	Cluster Incl. M37766:Human MEM-102 glycoprotein mRNA, complete cds /cds
20	38319_at	Cluster Incl. AA919102:ol84h02.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	38976_at	Cluster Incl. D44497:Human mRNA for actin binding protein p57, complete
	39049_at	Cluster Incl. AJ243937:Homo sapiens mRNA for G18.1a and G18.1b proteins
	40468_at	Cluster Incl. AB011126:Homo sapiens mRNA for KIAA0554 protein, partial
	32793_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,97
25	32794_g_at	Cluster Incl. X00437:Human mRNA for T-cell specific protein /cds=(37,
	36155_at	Cluster Incl. D87465:Human mRNA for KIAA0275 gene, complete cds /cds=(3
	37021_at	Cluster Incl. X16832:Human mRNA for cathepsin H (EC 3.4.22.16) /cds=(34
	38017_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=U0
	38018_g_at	Cluster Incl. U05259:Human MB-1 gene, complete cds /cds=(36,716) /gb=
30	38091_at	Cluster Incl. Z49107:H.sapiens mRNA for galectin /cds=(87,1058) /gb=Z49
	38826_at	Cluster Incl. D50918:Human mRNA for KIAA0128 gene, partial cds /cds=(0,
	41577_at	Cluster Incl. AB020630:Homo sapiens mRNA for KIAA0823 protein, partial
	2059_s_at	M36881 /FEATURE=mRNA /DEFINITION=HUMLCKAA Human lymphocyte-
	specific pr	
35	2019_s_at	M68892 /FEATURE= /DEFINITION=HUMINTB7 Human integrin beta-7 subunit
	mR	
	1760_s_at	D11327 /FEATURE= /DEFINITION=HUMLCPTP Human mRNA for protein-
	tyrosine	

- 1717\_s\_at U45878 /FEATURE= /DEFINITION=HSU45878 Human inhibitor of apoptosis  
pro
- 1583\_at M32315 /FEATURE= /DEFINITION=HUMNFR Human tumor necrosis factor receptor
- 1506\_at D11086 /FEATURE= /DEFINITION=HUMIL2RG Human mRNA for interleukin 2 recep
- 5 1498\_at L05148 /FEATURE= /DEFINITION=HUMTYRKIN Human protein tyrosine kinase rel
- 1478\_at L10717 /FEATURE= /DEFINITION=HUMTKTCS Homo sapiens T cell-specific tyros
- 1403\_s\_at M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein  
(RA
- 1405\_i\_at M21121 /FEATURE= /DEFINITION=HUMTCSM Human T cell-specific protein  
10 (RA
- 1326\_at U60519 /FEATURE= /DEFINITION=HSU60519 Human apoptotic cysteine protease
- 1105\_s\_at M12886 /FEATURE= /DEFINITION=HUMTCBYY Human T-cell receptor active  
bet
- 1106\_s\_at M12959 /FEATURE= /DEFINITION=HUMTCAXB Human T-cell receptor active  
15 alp
- 1110\_at M21624 /FEATURE=mRNA /DEFINITION=HUMTCRGC Human T-cell receptor delta ch
- 1062\_g\_at U00672 /FEATURE= /DEFINITION=U00672 Human interleukin-10 receptor  
mRNA
- 906\_at L78440 /FEATURE=mRNA /DEFINITION=HUMSTAT4R Homo sapiens STAT4 mRNA,  
20 compl
- 849\_g\_at U19261 /FEATURE= /DEFINITION=HSU19261 Homo sapiens Epstein-Barr  
virus-i
- 402\_s\_at X69819 /FEATURE=cds /DEFINITION=HSICAM3RN H.sapiens ICAM-3  
mRNA
- 25 245\_at M25280 /FEATURE= /DEFINITION=HUMLNHR Human lymph node homing receptor  
mRN
- 172\_at U57650 /FEATURE= /DEFINITION=HSU57650 Human SH2-containing inositol 5-pho
- 160029\_at X07109 /FEATURE=cds /DEFINITION=HSPKCB2A Human mRNA for protein  
kinase
- 30 METAGENE 162:
- ans =
- 31463\_s\_at Cluster Incl. AL022097:Homo sapiens DNA sequence from PAC 256G22 on c
- 35 31546\_at Cluster Incl. L11566:Homo sapiens ribosomal protein L18 (RPL18) mRNA, c
- 31584\_at Cluster Incl. X16064:Human mRNA for translationally controlled tumor pr
- 32432\_f\_at Cluster Incl. L25899:Human ribosomal protein L10 mRNA, complete cds /
- 32433\_at Cluster Incl. Z97353:Human DNA sequence from clone 90L6 on chromosome 2
- 32437\_at Cluster Incl. U14970:Human ribosomal protein S5 mRNA, complete cds /cds

	32440_at	Cluster Incl. X53777:Human L23 mRNA for putative ribosomal protein /cds
	33614_at	Cluster Incl. X80822:H.sapiens mRNA for ORF /cds=(133,555) /gb=X80822 /
	33660_at	Cluster Incl. U14966:Human ribosomal protein L5 mRNA, complete cds /cds
	33668_at	Cluster Incl. AF037643:Homo sapiens 60S ribosomal protein L12 (RPL12) p
5	34570_at	Cluster Incl. S79522:ubiquitin carboxyl extension protein [human, mRNA,
	34592_at	Cluster Incl. M13932:Human ribosomal protein S17 mRNA, complete cds /cd
	34609_g_at	Cluster Incl. M24194:Human MHC protein homologous to chicken B comple
	34645_at	Cluster Incl. X55715:Human Hums3 mRNA for 40S ribosomal protein s3 /cds
	34646_at	Cluster Incl. Z25749:H.sapiens gene for ribosomal protein S7 /cds=(81,6
10	35125_at	Cluster Incl. X67309:H.sapiens gene for ribosomal protein S6 /cds=(42,7
	36333_at	Cluster Incl. X57958:H.sapiens mRNA for ribosomal protein L7 /cds=(22,7
	36358_at	Cluster Incl. U09953:Human ribosomal protein L9 mRNA, complete cds /cds
	32330_at	Cluster Incl. X06617:Human mRNA for ribosomal protein S11 /cds=(15,491)
	32337_at	Cluster Incl. U25789:Human ribosomal protein L21 mRNA, complete cds /cd
15	32341_f_at	Cluster Incl. U37230:Human ribosomal protein L23a mRNA, complete cds
	36786_at	Cluster Incl. AL022721:dJ109F14.2 (60S Ribosomal Protein RPL10A) /cds=(
	39025_at	Cluster Incl. AI557912:pro3.2-2.E07.r Homo sapiens cDNA, 5 end /clone_
	39418_at	Cluster Incl. AJ007398:Homo sapiens mRNA for PBK1 protein /cds=(5,1558)
	40435_at	Cluster Incl. J03592:Human ADP/ATP translocase mRNA, 3 end, clone pHAT
20	41152_f_at	Cluster Incl. T89651:yd99a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32843_s_at	Cluster Incl. M30448:Human casein kinase II beta subunit mRNA, comple
	34316_at	Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	34317_g_at	Cluster Incl. W52024:zd13a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	34380_at	Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(
25	37724_at	Cluster Incl. V00568:Human mRNA encoding the c-myc oncogene /cds=(558,1
	39173_at	Cluster Incl. X56597:Human humFib mRNA for fibrillarin /cds=(59,1024) /
	39830_at	Cluster Incl. AA044823:zk72a10.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32576_at	Cluster Incl. U94855:Homo sapiens translation initiation factor 3 47 kD
	33116_f_at	Cluster Incl. AA977163:q25a04.s1 Homo sapiens cDNA, 3 end /clone=IM
30	33117_r_at	Cluster Incl. AA977163:q25a04.s1 Homo sapiens cDNA, 3 end /clone=IM
	1973_s_at	V00568 /FEATURE=cds /DEFINITION=HSMYC1 Human mRNA encoding the
		c-myc o
	1653_at	M84711 /FEATURE= /DEFINITION=HUMFTE1A Human v-fos transformation effecto
	1151_at	Epstein-Barr Virus Small Rna-Associated Protein
35	571_at	M86667 /FEATURE= /DEFINITION=HUMNAP H.sapiens NAP (nucleosome assembly pr
	326_i_at	Ribosomal Protein S20

METAGENE 226:

	ans =	
	33630_s_at	Cluster Incl. AF026488:Homo sapiens beta III spectrin (SPTBN2) mRNA,
	38138_at	Cluster Incl. D38583:Human mRNA for calgizzarin, complete cds /cds=(120
	38161_at	Cluster Incl. Y09022:H.sapiens mRNA for Not56-like protein /cds=(31,134
5	38172_at	Cluster Incl. AB003151:Homo sapiens DNA, chromosome 21q22.2, PAC clone
	39262_at	Cluster Incl. U79266:Human clone 23627 mRNA, complete cds /cds=(184,104
	39651_at	Cluster Incl. AB006532:Homo sapiens RecQ4 mRNA for DNA helicase, comple
	40695_at	Cluster Incl. J05272:Human IMP dehydrogenase type 1 mRNA complete cds /
	41037_at	Cluster Incl. U63824:Human transcription factor RTEF-1 (RTEF1) mRNA, co
10	31858_at	Cluster Incl. X07315:Human gene for PP15 (placental protein 15) /cds=(9
	32028_at	Cluster Incl. U85773:Human phosphomannomutase (PMM2) mRNA, complete cds
	32702_at	Cluster Incl. U04810:Human tastin mRNA, complete cds /cds=(110,2446) /g
	33282_at	Cluster Incl. U42408:Human ladinin (LAD) mRNA, complete cds /cds=(219,1
	33307_at	Cluster Incl. AL022316:Human DNA sequence from clone 126B4 on chromosom
15	35620_at	Cluster Incl. AF043250:Homo sapiens mitochondrial outer membrane protei
	35714_at	Cluster Incl. U89606:Human pyridoxal kinase mRNA, complete cds /cds=(6,
	35723_at	Cluster Incl. D16581:Human mRNA for 8-oxo-dGTPase, complete cds /cds=(2
	37945_at	Cluster Incl. U91316:Human acyl-CoA thioester hydrolase mRNA, complete
	38618_at	Cluster Incl. AC002073:Human PAC clone DJ515N1 from 22q11.2-q22 /cds=(0
20	39020_at	Cluster Incl. U82938:Human CD27BP (Siva) mRNA, complete cds /cds=(252,8
	39059_at	Cluster Incl. AF034544:Homo sapiens delta7-sterol reductase mRNA, compl
	39062_at	Cluster Incl. AL008726:dJ337O18.2 (Lysosomal Protective Protein precurs
	39074_at	Cluster Incl. U79241:Human clone 23759 mRNA, partial cds /cds=(0,1315)
	39704_s_at	Cluster Incl. L17131:Human high mobility group protein (HMG-I(Y)) gen
25	41732_at	Cluster Incl. AA310786:EST181572 Homo sapiens cDNA, 5' end /clone=ATCC-
	32186_at	Cluster Incl. M80244:Human E16 mRNA, complete cds /cds=(310,1035) /gb=M
	32229_at	Cluster Incl. AF038957:Homo sapiens translation initiation factor 4e mR
	34865_at	Cluster Incl. AI360249:qy84f07.x1 Homo sapiens cDNA, 3' end /clone=IMAG
	35326_at	Cluster Incl. AF004876:Homo sapiens 54TmP (54tm) mRNA, complete cds /cd
30	36185_at	Cluster Incl. D32050:Human mRNA for alanyl-tRNA synthetase, complete cd
	36678_at	Cluster Incl. D21261:Human mRNA for KIAA0120 gene, complete cds /cds=(7
	38414_at	Cluster Incl. U05340:Human p55CDC mRNA, complete cds /cds=(110,1609) /g
	38808_at	Cluster Incl. D64154:Human mRNA for Mr 110,000 antigen, complete cds /c
	39812_at	Cluster Incl. X79865:H.sapiens Mrp17 mRNA /cds=(137,733) /gb=X79865 /gi
35	40195_at	Cluster Incl. X14850:Human H2A.X mRNA encoding histone H2A.X /cds=(73,5
	40619_at	Cluster Incl. M91670:Human ubiquitin carrier protein (E2-EPPF) mRNA, com
	32536_at	Cluster Incl. Z37986:H.sapiens mRNA for phenylalkylamine binding protei
	33206_at	Cluster Incl. C18655:C18655 Homo sapiens cDNA, 5' end /clone=GEN-565G08



- 2028\_s\_at M96577 /FEATURE= /DEFINITION=HUME2F Homo sapiens (E2F-1) pRB-binding p
- 1196\_at D00591 /FEATURE=exons#7-14 /DEFINITION=HUMRCC1 Homo sapiens RCC1 gene, e
- 893\_at M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (E2
- 5 894\_g\_at M91670 /FEATURE= /DEFINITION=HUME2EPI Human ubiquitin carrier protein (
- 480\_at U56816 /FEATURE= /DEFINITION=HSU56816 Human kinase Myt1 (Myt1) mRNA, comp
- 160037\_at Z48482 /FEATURE=cds /DEFINITION=HSMMPM2 H.sapiens mRNA for
- 10 membrane-ty
- METAGENE 294:
- ans =
- 15 35925\_at Cluster Incl. AF040639:Homo sapiens aflatoxin B1-aldehyde reductase mRNA
- 36778\_at Cluster Incl. Z48804:H.sapiens mRNA (ocular albinism type 1 related) /c
- 37780\_at Cluster Incl. AB011131:Homo sapiens mRNA for KIAA0559 protein, partial
- 41111\_at Cluster Incl. U68418:Human branched chain aminotransferase precursor (B
- 37897\_s\_at Cluster Incl. AI985964:wr79d08.x1 Homo sapiens cDNA, 3 end /clone=IM
- 20 38292\_at Cluster Incl. AF093264:Homo sapiens homer-2b mRNA, complete cds /cds=(0
- 39369\_at Cluster Incl. AB023152:Homo sapiens mRNA for KIAA0935 protein, partial
- 38418\_at Cluster Incl. X59798:Human PRAD1 mRNA for cyclin /cds=(147,1034) /gb=X5
- 39087\_at Cluster Incl. U28249:Human 11kd protein mRNA, complete cds /cds=(259,59
- 2017\_s\_at M64349 /FEATURE= /DEFINITION=HUMCYCD1 Human cyclin D (cyclin D1)
- 25 mRNA,
- 2020\_at M73554 /FEATURE= /DEFINITION=HUMBCL1 Human bcl-1 mRNA, complete CDS
- METAGENE 307:
- 30 ans =
- 31410\_at Cluster Incl. AF023614:Homo sapiens transmembrane activator and CAML in
- 31559\_at Cluster Incl. U26209:Human renal sodium/dicarboxylate cotransporter (NA
- 31594\_at Cluster Incl. Y16788:Homo sapiens hHa3-I gene, complete CDS /cds=(0,121
- 31947\_r\_at Cluster Incl. X74143:H.sapiens HBF-2 mRNA for transcription factor /c
- 35 32000\_g\_at Cluster Incl. AI344681:qp09h03.x1 Homo sapiens cDNA, 3 end /clone=IM
- 33016\_at Cluster Incl. AI052224:oz21a02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34066\_at Cluster Incl. AJ012590:Homo sapiens mRNA for glucose 1-dehydrogenase /c
- 34093\_at Cluster Incl. AI829701:wf09d11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34161\_at Cluster Incl. U39573:Human salivary peroxidase mRNA, complete cds /cds=

	34166_at	Cluster Incl. S80071:hPROT=brain-specific L-proline transporter [human,
	34558_at	Cluster Incl. U30185:Human orphan opioid receptor mRNA, complete cds /c
	34568_at	Cluster Incl. X82634:Homo sapiens mRNA for hair keratin acidic 3-II /cd
	34573_at	Cluster Incl. U14187:Human receptor tyrosine kinase ligand LERK-3 (EPLG
5	35124_at	Cluster Incl. M62982:Human arachidonate 12-lipoxygenase mRNA, complete
	35503_at	Cluster Incl. M81590:Homo sapiens serotonin 1D receptor (5-HT1D~) mRNA,
	35505_at	Cluster Incl. AI290660:qm12b10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35590_s_at	Cluster Incl. X81832:H.sapiens mRNA for glucose-dependant insulinotro
	36338_at	Cluster Incl. W28504:48e7 Homo sapiens cDNA /gb=W28504 /gi=1308515 /ug=
10	32269_at	Cluster Incl. W26805:13a12 Homo sapiens cDNA /gb=W26805 /gi=1305889 /ug
	32897_at	Cluster Incl. AJ237672:Homo sapiens mRNA for methylenetetrahydrofolate
	33967_at	Cluster Incl. M31525:Human MHC class II lymphocyte antigen (HLA-DNA) ge
	35378_at	Cluster Incl. AI051683:oy77h08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	36307_at	Cluster Incl. D87468:Human mRNA for KIAA0278 gene, partial cds /cds=(0,
15	36737_at	Cluster Incl. U59057:Human beta-A4 crystallin (CRYBA4) mRNA, complete c
	38229_at	Cluster Incl. X90579:H.sapiens DNA for cyp related pseudogene /cds=UNKN
	38530_at	Cluster Incl. W26021:18c10 Homo sapiens cDNA /gb=W26021 /gi=1306306 /ug
	38901_at	Cluster Incl. AB020698:Homo sapiens mRNA for KIAA0891 protein, partial
	39225_at	Cluster Incl. Y09443:H.sapiens mRNA for alkyl-dihydroxyacetonephosphate
20	39290_f_at	Cluster Incl. W28257:44c1 Homo sapiens cDNA /gb=W28257 /gi=1308205 /u
	40295_at	Cluster Incl. AB009288:Homo sapiens mRNA for N-copine, complete cds /cd
	41445_at	Cluster Incl. X02812:Human mRNA for transforming growth factor-beta (TG
	31861_at	Cluster Incl. L14754:Human DNA-binding protein (SMBP2) mRNA, complete c
	32699_s_at	Cluster Incl. X64116:H.sapiens PVR gene for poliovirus receptor (exon
25	35150_at	Cluster Incl. X60592:Human CDw40 mRNA for nerve growth factor receptor-
	35996_at	Cluster Incl. X98261:H.sapiens mRNA for M-phase phosphoprotein, mpp5 /c
	37195_at	Cluster Incl. M14565:Human cholesterol side-chain cleavage enzyme P450s
	37939_at	Cluster Incl. AL022318:bK150C2.3 (PUTATIVE novel protein similar to APO
	38707_r_at	Cluster Incl. S75174:E2F-4=transcription factor [human, Nalm6 and HeL
30	39011_at	Cluster Incl. X99906:Homo sapiens mRNA for alpha endosulfine /cds=(125,
	39689_at	Cluster Incl. AI362017:qy39a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41125_r_at	Cluster Incl. D45421:Human mRNA for phosphodiesterase I alpha, comple
	33416_at	Cluster Incl. AI332820:qp96e06.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	34803_at	Cluster Incl. AF022789:Homo sapiens ubiquitin hydrolyzing enzyme I (UBH
35	35782_at	Cluster Incl. AB014557:Homo sapiens mRNA for KIAA0657 protein, partial
	38088_r_at	Cluster Incl. M80563:Human CAPL protein mRNA, complete cds /cds=(135,
	38447_at	Cluster Incl. U08438:Human beta-adrenergic receptor kinase (ADRBK1) gen
	39473_r_at	Cluster Incl. W29065:56g2 Homo sapiens cDNA /gb=W29065 /gi=1309094 /u
	39868_at	Cluster Incl. AL046394:DKFZp434M217_r1 Homo sapiens cDNA, 5 end /clone

- 39917\_at Cluster Incl. AI961040:wq58f01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 40241\_at Cluster Incl. U09850:Human zinc finger protein (ZNF143) mRNA, complete
- 40622\_r\_at Cluster Incl. AL096740:Homo sapiens mRNA; cDNA DKFZp586K2123 (from cl
- 40886\_at Cluster Incl. L41498:Homo sapiens longation factor 1-alpha 1 (PTI-1) mR
- 5 40975\_s\_at Cluster Incl. AL050258:Novel human mRNA similar to mouse tuftelin-int
- 41301\_at Cluster Incl. W28608:49b1 Homo sapiens cDNA /gb=W28608 /gi=1308556 /ug=
- 41324\_g\_at Cluster Incl. U90917:Human clone 23641 mRNA sequence /cds=UNKNOWN /gb
- 41340\_at Cluster Incl. AA827795:od08a05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41500\_at Cluster Incl. AI761818:wi62g02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 10 41525\_at Cluster Incl. N25429:yx76b02.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
- 32557\_at Cluster Incl. AI762438:wg57a07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33110\_at Cluster Incl. AI356682:qy22a10.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 33151\_s\_at Cluster Incl. W25932:15b1 Homo sapiens cDNA /gb=W25932 /gi=1306055 /u
- 33211\_at Cluster Incl. AW051889:wz04f05.x1 Homo sapiens cDNA, 3 end /clone=IMAG
- 15 2005\_s\_at U31317 /FEATURE= /DEFINITION=HSU31317 Human JAK family tyrosine  
protei
- 2013\_at U35117 /FEATURE= /DEFINITION=HSU35117 Human transcription factor Dp-2 mR
- 1925\_at Z36714 /FEATURE=mRNA /DEFINITION=HSCYCLF H.sapiens mRNA for cyclin F
- 1894\_f\_at Neurofibromatosis 2 Tumor Suppressor
- 20 1827\_s\_at M13929 /FEATURE=mRNA /DEFINITION=HUMMYCPOA Human c-myc-P64  
mRNA, initi
- 1792\_g\_at M68520 /FEATURE= /DEFINITION=HUMCDC2A Human cdc2-related protein  
kinas
- 1627\_at Tyrosine Kinase
- 25 1483\_at L34059 /FEATURE= /DEFINITION=HUMCA4A Homo sapiens cadherin-4 mRNA, compl
- 1469\_at U12779 /FEATURE= /DEFINITION=HSU12779 Human MAP kinase activated protein
- 1415\_at D26561 /FEATURE=cds#3 /DEFINITION=D26561 Homo sapiens cellular DNA conta
- 1254\_at L36861 /FEATURE=expanded\_cds /DEFINITION=HUMGCAPB Homo sapiens guanylate
- 1167\_s\_at D86331 /FEATURE= /DEFINITION=D86331 Human MT2-MMP gene for matrix
- 30 meta
- 1008\_f\_at U50648 /FEATURE=mRNA /DEFINITION=HSIIPKR17 Human interferon-  
inducible
- 882\_at M37435 /FEATURE= /DEFINITION=HUMCSDF1 Human macrophage-specific colony-st
- 734\_at Mucin 4, Tracheobronchial
- 35 534\_s\_at U20391 /FEATURE=mRNA#1 /DEFINITION=HSU20391 Human folate receptor  
(FOLR
- 385\_at X71874 /FEATURE=cds#2 /DEFINITION=HSPROSCHY H.sapiens genes for proteasom
- 396\_f\_at X97671 /FEATURE=cds /DEFINITION=HSERYTHR H.sapiens mRNA for erythropoie

## METAGENE 315 :

ans =

- 31477\_at Cluster Incl. L08044:Human intestinal trefoil factor mRNA, complete cds
- 5 36374\_at Cluster Incl. U79293:Human clone 23948 mRNA sequence /cds=UNKNOWN /gb=U
- 38960\_at Cluster Incl. U45975:Human phosphatidylinositol (4,5)bisphosphate 5-pho
- 39669\_at Cluster Incl. AJ009985:Homo sapiens mRNA for annexin 31 /cds=(436,1452)
- 41660\_at Cluster Incl. AL031588:dJ1163J1.1 (ortholog of mouse transmembrane rece
- 10 31805\_at Cluster Incl. M64347:Human novel growth factor receptor mRNA, 3 cds /cd
- 32108\_at Cluster Incl. M76231:Human sepiapterin reductase mRNA, complete cds /cd
- 35164\_at Cluster Incl. AF084481:Homo sapiens transmembrane protein (WFS1) mRNA,
- 35676\_at Cluster Incl. AF006386:Homo sapiens axonemal dynein light chain (hp28)
- 36454\_at Cluster Incl. AF037335:Homo sapiens carbonic anhydrase precursor (CA 12
- 15 36495\_at Cluster Incl. U21931:Human fructose-1,6-biphosphatase (FBP1) gene /cds=
- 39755\_at Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromosome
- 39756\_g\_at Cluster Incl. Z93930:Human DNA sequence from clone 292E10 on chromoso
- 40148\_at Cluster Incl. U62325:Human FE65-like protein (hFE65L) mRNA, partial cds
- 40422\_at Cluster Incl. X16302:Human mRNA for insulin-like growth factor binding
- 20 40511\_at Cluster Incl. X58072:Human hGATA3 mRNA for trans-acting T-cell specific
- 32251\_at Cluster Incl. AA149307:z125h05.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 34775\_at Cluster Incl. AF065388:Homo sapiens tetraspan NET-1 mRNA, complete cds
- 34788\_at Cluster Incl. AL049365:Homo sapiens mRNA; cDNA DKFZp586A0618 (from clon
- 25 34859\_at Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE) /
- 34860\_g\_at Cluster Incl. Z98046:dJ14O9.2 (Melanoma-Associated Antigen MAGE LIKE)
- 35275\_at Cluster Incl. AL050025:Homo sapiens mRNA; cDNA DKFZp564D066 (from clone
- 35766\_at Cluster Incl. M26326:Human keratin 18 mRNA, complete cds /cds=(51,1343)
- 30 35770\_at Cluster Incl. D16469:Human mRNA for ORF, Xq terminal portion /cds=(1353
- 37008\_r\_at Cluster Incl. M68516:Human protein C inhibitor gene, complete cds /cd
- 40902\_at Cluster Incl. AL050082:Homo sapiens mRNA; cDNA DKFZp566J2446 (from clon
- 1822\_at Oncogene Ret/Ptc2, Fusion Activated
- 1823\_g\_at Oncogene Ret/Ptc2, Fusion Activated
- 35 1745\_at Oncogene Ret/Ptc, Fusion Activated
- 1741\_s\_at S37730 /FEATURE=cds /DEFINITION=S37712S4 insulin-like growth factor bi
- 520\_at U07358 /FEATURE= /DEFINITION=HSU07358 Human protein kinase (zpk) mRNA, co

## METAGENE 327 :

	ans =	
	34563_at	Cluster Incl. D26361:Human mRNA for KIAA0042 gene, complete cds /cds=(4
	32324_at	Cluster Incl. X57346:H.sapiens mRNA for HS1 protein /cds=(372,1112) /gb
5	38158_at	Cluster Incl. D79987:Human mRNA for KIAA0165 gene, complete cds /cds=(1
	38933_at	Cluster Incl. AL021366:cICK0721Q.3 (Kinesin related protein) /cds=(163,
	39677_at	Cluster Incl. D80008:Human mRNA for KIAA0186 gene, complete cds /cds=(9
	40041_at	Cluster Incl. AF017790:Homo sapiens retinoblastoma-associated protein H
	40347_at	Cluster Incl. AA913812:ol39a08.s1 Homo sapiens cDNA, 3 end /clone=IMAG
10	40348_s_at	Cluster Incl. W25866:14c12 Homo sapiens cDNA /gb=W25866 /gi=1305989 /
	40690_at	Cluster Incl. X54942:H.sapiens cks2 mRNA for Cks1 protein homologue /
	40726_at	Cluster Incl. U37426:Human kinesin-like spindle protein HKSP (HKSP) mRN
	41403_at	Cluster Incl. AI032612:ow17e07.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	41415_at	Cluster Incl. L36720:Homo sapiens bystin mRNA, complete cds /cds=(64,98
15	41650_at	Cluster Incl. U63810:Homo sapiens WD40 protein Ciao 1 mRNA, complete cd
	32120_at	Cluster Incl. AF063308:Homo sapiens coiled-coil related protein DEEPEST
	33252_at	Cluster Incl. D38073:Human mRNA for hRif beta subunit (p102 protein), c
	33266_at	Cluster Incl. AF015254:Homo sapiens serine/threonine kinase (STK-1) mRN
	34715_at	Cluster Incl. U74612:Human hepatocyte nuclear factor-3/fork head homolo
20	34736_at	Cluster Incl. M25753:Human cyclin B mRNA, 3 end /cds=UNKNOWN
	/gb=M2575	
	35249_at	Cluster Incl. AF091433:Homo sapiens cyclin E2 mRNA, complete cds /cds=(
	35699_at	Cluster Incl. AF053306:Homo sapiens mitotic checkpoint kinase Mad3L (MA
	35995_at	Cluster Incl. AF067656:Homo sapiens ZW10 interactor Zwint mRNA, complet
25	36813_at	Cluster Incl. U96131:Homo sapiens HPV16 E1 protein binding protein mRNA
	36839_at	Cluster Incl. U77949:Human Cdc6-related protein (HsCDC6) mRNA, complete
	36863_at	Cluster Incl. AF032862:Homo sapiens intracellular hyaluronic acid bindi
	37193_at	Cluster Incl. D78335:Human mRNA for 5-terminal region of UMK, complete
	37228_at	Cluster Incl. U01038:Human pLK mRNA, complete cds /cds=(63,1874) /gb=U0
30	37920_at	Cluster Incl. U70370:Human hindlimb expressed homeobox protein backfoot
	38675_at	Cluster Incl. AI087268:oz77e01.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40074_at	Cluster Incl. X16396:Human mRNA for NAD-dependent methylene tetrahydrof
	40117_at	Cluster Incl. D84557:Homo sapiens mRNA for HsMcm6, complete cds /cds=(6
	40145_at	Cluster Incl. AI375913:tc14c08.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40412_at	Cluster Incl. AA203476:zx55e01.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	40417_at	Cluster Incl. D43950:Human mRNA for KIAA0098 gene, partial cds /cds=(0,
	32222_at	Cluster Incl. AA152202:zl06a03.s1 Homo sapiens cDNA, 3 end /clone=IMAG
	32767_at	Cluster Incl. M74558:Human SIL mRNA, complete cds /cds=(380,4243) /gb=M
	34829_at	Cluster Incl. U59151:Human Cbf5p homolog (CBF5) mRNA, complete cds /cds

- 34851\_at Cluster Incl. AF011468:Homo sapiens serine/threonine kinase (BTAK) mRNA  
 35312\_at Cluster Incl. D21063:Human mRNA for KIAA0030 gene, partial cds /cds=(0,  
 35839\_at Cluster Incl. D78130:Homo sapiens mRNA for squalene epoxidase, complete  
 37302\_at Cluster Incl. U30872:Human mitotin mRNA, complete cds /cds=(72,9413) /g  
**5** 38116\_at Cluster Incl. D14657:Human mRNA for KIAA0101 gene, complete cds /cds=(6  
 38456\_s\_at Cluster Incl. AL049650:dJ734P14.2.2 (snRNP (small nuclear ribonucleop  
 38804\_at Cluster Incl. AF053641:Homo sapiens brain cellular apoptosis susceptibi  
 39109\_at Cluster Incl. AB024704:Homo sapiens mRNA for fls353, complete cds /cds=  
 41583\_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8 (B  
**10** 1943\_at X51688 /FEATURE=mRNA /DEFINITION=HSCYCLINA Human mRNA for cyclin A  
 1945\_at M25753 /FEATURE=mRNA /DEFINITION=HUMCYCB Human cyclin B mRNA, 3 end  
 1809\_at AB003698 /FEATURE= /DEFINITION=AB003698 Homo sapiens mRNA for Cdc7-relat  
 1651\_at U73379 /FEATURE= /DEFINITION=HSU73379 Human cyclin-selective ubiquitin c  
 1599\_at L25876 /FEATURE= /DEFINITION=HUMPTPB Homo sapiens protein tyrosine phosph  
**15** 1544\_at U39817 /FEATURE= /DEFINITION=HSU39817 Human Bloom s syndrome protein (BL  
 1536\_at U77949 /FEATURE= /DEFINITION=HSU77949 Human Cdc6-related protein (HsCDC6  
 1516\_g\_at Rad2  
 1055\_g\_at M87339 /FEATURE= /DEFINITION=HUMACT1A Human replication factor C,  
 37-k  
**20** 904\_s\_at L47276 /FEATURE=UTR#1 /DEFINITION=HUMTOPATR Homo sapiens (cell  
 line HL-  
 572\_at M86699 /FEATURE= /DEFINITION=HUMTTK Human kinase (TTK) mRNA, complete  
 cds  
 527\_at U14518 /FEATURE= /DEFINITION=HSU14518 Human centromere protein-A (CENP-A)  
**25** 419\_at X65550 /FEATURE=exon#15 /DEFINITION=HSMKI67 H.sapiens mki67a mRNA (long t  
 349\_g\_at D14678 /FEATURE= /DEFINITION=HUMMHCB Human mRNA for kinesin-  
 related pro  
 149\_at U90426 /FEATURE= /DEFINITION=HSU90426 Human nuclear RNA helicase, complet  
 151\_s\_at V00599 /FEATURE=mRNA /DEFINITION=HSTUB2 Human mRNA fragment  
**30** encoding be

METAGENE 328 :

- ans =  
**35** 37472\_at Cluster Incl. U60337:Homo sapiens beta-mannosidase mRNA, complete cds /  
 37874\_at Cluster Incl. Z47553:H.sapiens mRNA for flavin-containing monooxygenase  
 38151\_at Cluster Incl. AF002672:Homo sapiens breast cancer suppressor candidate  
 39597\_at Cluster Incl. AB020650:Homo sapiens mRNA for KIAA0843 protein, complete  
 40038\_at Cluster Incl. W02490:za48b02.r1 Homo sapiens cDNA, 5 end /clone=IMAGE-

- 32079\_at Cluster Incl. AB014539:Homo sapiens mRNA for KIAA0639 protein, partial  
 32664\_at Cluster Incl. D37931:Human mRNA for RNase 4, complete cds /cds=(27,470)  
 32685\_at Cluster Incl. AB002349:Human mRNA for KIAA0351 gene, complete cds /cds=  
 33749\_at Cluster Incl. AB007455:Homo sapiens mRNA for P53TG1-A, complete cds /cd  
 5 39752\_at Cluster Incl. AF040704:Homo sapiens putative tumor suppressor protein (  
 35834\_at Cluster Incl. X59766:H.sapiens mRNA for Zn-alpha2-glycoprotein /cds=(10  
 33140\_at Cluster Incl. AF029893:Homo sapiens i-beta-1,3-N-acetylglucosaminyltran  
 1103\_at M11567 /FEATURE=mRNA /DEFINITION=HUMAGG Human angiogenin gene,  
 complete

10

## METAGENE 332 :

ans =

- 37149\_s\_at Cluster Incl. U95626:Homo sapiens ccr2b (ccr2), ccr2a (ccr2), ccr5 (c  
 15 39295\_s\_at Cluster Incl. AF049884:Homo sapiens Arg/Abl-interacting protein ArgBP  
 41087\_at Cluster Incl. AC004774:Homo sapiens BAC clone RG300E22 from 7q21-q31.1  
 33331\_at Cluster Incl. U17077:Human BENE mRNA, partial cds /cds=(0,446) /gb=U170  
 36053\_at Cluster Incl. AF041248:Homo sapiens cyclin-dependent kinase inhibitor (  
 37265\_at Cluster Incl. D87074:Human mRNA for KIAA0237 gene, complete cds /cds=(4  
 20 40466\_at Cluster Incl. Z74792:H.sapiens mRNA for CCAAT transcription binding fac  
 40508\_at Cluster Incl. AF025887:Homo sapiens glutathione S-transferase A4-4 (GST  
 33392\_at Cluster Incl. AL080155:Homo sapiens mRNA; cDNA DKFZp434J154 (from clone  
 34365\_at Cluster Incl. AF042386:Homo sapiens cyclophilin-33B (CYP-33) mRNA, comp  
 36118\_at Cluster Incl. AJ000882:Homo sapiens mRNA for steroid receptor coactivat  
 25 41806\_at Cluster Incl. J04513:Human basic fibroblast growth factor (bFGF) 22.5 k  
 1860\_at U58334 /FEATURE= /DEFINITION=HSU58334 Human Bcl2, p53 binding protein Bb

## METAGENE 334 :

30 ans =

- 32434\_at Cluster Incl. D10522:Homo sapiens mRNA for 80K-L protein, complete cds  
 37163\_at Cluster Incl. AL050374:Homo sapiens mRNA; cDNA DKFZp586C1619 (from  
 clon  
 41368\_at Cluster Incl. AA922934:oh10g06.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35 36491\_at Cluster Incl. D82345:Homo sapiens mRNA for NB thymosin beta, complete c  
 39379\_at Cluster Incl. AL049397:Homo sapiens mRNA; cDNA DKFZp586C1019 (from  
 clon  
 41142\_at Cluster Incl. U62961:Human succinyl CoA-3-oxoacid CoA transferase precu

- 32190\_at Cluster Incl. AL050118:Homo sapiens mRNA; cDNA DKFZp586C201 (from clone  
clone  
32855\_at Cluster Incl. L00352:Human low density lipoprotein receptor gene /cds=(  
41517\_g\_at Cluster Incl. U95735:Human SNARE protein Ykt6 (YKT6) mRNA, complete c  
5 2050\_s\_at M29870 /FEATURE= /DEFINITION=HUMRACA Human ras-related C3  
botulinum to

## METAGENE 344 :

- 10 ans =  
31426\_at Cluster Incl. U34806:Human G protein-coupled receptor (GPR15) gene, com  
31495\_at Cluster Incl. D63789:Homo sapiens DNA for SCM-1beta precursor, complete  
31554\_at Cluster Incl. X55019:H.sapiens mRNA for acetylcholine receptor delta su  
31621\_s\_at Cluster Incl. M36860:Human elastin mRNA, complete cds /cds=(49,2241)  
15 31626\_i\_at Cluster Incl. AF047485:Homo sapiens amine oxidase pseudogene mRNA, sp  
31740\_s\_at Cluster Incl. AB008913:Homo sapiens mRNA for Pax-4, complete cds /cds  
31745\_at Cluster Incl. AF007194:Homo sapiens mucin (MUC3) mRNA, partial cds /cds  
31975\_at Cluster Incl. X55503:H.sapiens pseudogene for metallothionein and AG/CT  
31993\_f\_at Cluster Incl. U80764:Human EST clone 122887 mariner transposon Hsmar1  
20 32397\_r\_at Cluster Incl. AA079018:zm94e12.s1 Homo sapiens cDNA, 3 end /clone=IM  
32468\_f\_at Cluster Incl. D90278:Human CGM1b mRNA for CD66d /cds=(61,594) /gb=D90  
33011\_at Cluster Incl. Y10148:H.sapiens mRNA for NTR2 receptor /cds=(36,1268) /g  
33027\_at Cluster Incl. W27906:39d11 Homo sapiens cDNA /gb=W27906 /gi=1307854 /ug  
33071\_at Cluster Incl. Z98744:histone H2B /cds=(5,382) /gb=Z98744 /gi=3080457 /u  
25 33080\_s\_at Cluster Incl. AB007943:Homo sapiens mRNA for KIAA0474 protein, comple  
33090\_at Cluster Incl. AJ007292:Homo sapiens mRNA for ephrin-A2 /cds=(15,656) /g  
33622\_at Cluster Incl. Z26308:H.sapiens isoform 1 gene for L-type calcium channe  
33640\_at Cluster Incl. Y14768:Homo sapiens DNA, cosmid clones TN62 and TN82 /cds  
34104\_i\_at Cluster Incl. AI147237:qb36f02.x1 Homo sapiens cDNA, 3 end /clone=IM  
30 34108\_g\_at Cluster Incl. AJ005577:Homo sapiens pfkfb2 gene, exons 1 to 15 /cds=(  
34131\_at Cluster Incl. AB026891:Homo sapiens mRNA for cystine/glutamate transpor  
34167\_s\_at Cluster Incl. AA984230:am82g03.s1 Homo sapiens cDNA, 3 end /clone=IM  
35534\_at Cluster Incl. AB011086:Homo sapiens mRNA for KIAA0514 protein, complete  
32282\_at Cluster Incl. U66047:Human clone Z3-1 placenta expressed mRNA from chro  
35 33558\_at Cluster Incl. Y09445:H.sapiens mRNA for transcription factor TBX5 /cds=  
34005\_at Cluster Incl. X73079:Homo sapiens encoding Polymeric immunoglobulin rec  
34949\_at Cluster Incl. AB028971:Homo sapiens mRNA for KIAA1048 protein, complete  
34963\_at Cluster Incl. AA557228:n175c09.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
35379\_at Cluster Incl. X54412:Human mRNA for alpha1(IX) collagen (long form) /cd



	35492_at	Cluster Incl. AC004523:Homo sapiens chromosome 19, cosmid F22329 /cds=(
	35864_at	Cluster Incl. Y00970:Human mRNA for acrosin (EC 3.4.21.10) /cds=(16,128
	35882_at	Cluster Incl. AI075181:oy96b04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35910_f_at	Cluster Incl. AJ003147:Homo sapiens complete genomic sequence between
5	37061_at	Cluster Incl. U29615:Human chitotriosidase precursor mRNA, complete cds
	37095_r_at	Cluster Incl. M84562:Human formyl peptide receptor-like receptor (FPR
	37140_s_at	Cluster Incl. AF061193:Homo sapiens ectodysplasin-A isoform EDA-E (ED
	37151_at	Cluster Incl. AF052120:Homo sapiens clone 23836 mRNA sequence /cds=UNKN
	37418_at	Cluster Incl. M36653:Human Oct-2 factor mRNA, complete cds /cds=UNKNOWN
10	37429_g_at	Cluster Incl. AI140857:qa83c11.s1 Homo sapiens cDNA, 3 end /clone=IM
	37517_at	Cluster Incl. AB028962:Homo sapiens mRNA for KIAA1039 protein, partial
	37796_at	Cluster Incl. AF053356:Homo sapiens chromosome 7q22 sequence /cds=(0,24
	38162_at	Cluster Incl. AF007156:Homo sapiens clone 23617 unknown mRNA, partial c
	38193_at	Cluster Incl. X96754:H.sapiens gene encoding kappa light chain constant
15	38538_at	Cluster Incl. AB014602:Homo sapiens mRNA for KIAA0702 protein, complete
	38607_at	Cluster Incl. AF027204:Homo sapiens putative tetraspan transmembrane pr
	39609_at	Cluster Incl. U80457:Human transcription factor SIM2 short form mRNA, c
	40376_at	Cluster Incl. X83573:Homo sapiens ARSE gene, complete CDS /cds=(67,1836
	40651_s_at	Cluster Incl. AF039523:untitled /cds=(0,1334) /gb=AF039523 /gi=282812
20	41034_s_at	Cluster Incl. U92315:Homo sapiens hydroxysteroid sulfotransferase SUL
	31810_g_at	Cluster Incl. Z21488:H.sapiens contactin mRNA /cds=(121,3177) /gb=Z21
	31819_at	Cluster Incl. AI796281:wh49a09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	32104_i_at	Cluster Incl. U66063:Homo sapiens calcium/calmodulin-dependent protei
	32701_at	Cluster Incl. U51269:Human armadillo repeat protein mRNA, complete cds
25	32739_at	Cluster Incl. AA001791:zh86c04.r1 Homo sapiens cDNA, 5 end /clone=IMAG
	35201_at	Cluster Incl. X16135:Human mRNA for novel heterogeneous nuclear RNP pro
	36557_at	Cluster Incl. M92303:Human voltage-dependent calcium channel beta-1 sub
	37285_at	Cluster Incl. X60364:Human ALAS mRNA for 5-aminolevulinate synthase pre
	37633_s_at	Cluster Incl. J04129:Human placental protein 14 (PP14) mRNA, complete
30	37905_r_at	Cluster Incl. X66436:H.sapiens hsr1 mRNA (partial) /cds=UNKNOWN /gb=X
	38297_at	Cluster Incl. X98654:H.sapiens mRNA for DRES9 protein /cds=(189,3923) /
	39335_at	Cluster Incl. AI074025:oy66g12.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	32220_at	Cluster Incl. D63874:Human mRNA for HMG-1, complete cds /cds=(76,723) /
	34351_at	Cluster Incl. AL022394:dJ511B24.2 (1-Phosphatidylinositol-4,5-Bisphosph
35	34405_at	Cluster Incl. U47927:Human isopeptidase T (ISOT) mRNA, complete cds /cd
	34846_at	Cluster Incl. AF112472:Homo sapiens calcium/calmodulin-dependent protei
	38822_at	Cluster Incl. AB011420:Homo sapiens mRNA for DRAK1, complete cds /cds=(
	39451_i_at	Cluster Incl. AF050145:Homo sapiens iduronate-2-sulfatase (IDS) mRNA,
	39459_at	Cluster Incl. W28765:51d2 Homo sapiens cDNA /gb=W28765 /gi=1308713 /ug=

- 39474\_s\_at Cluster Incl. AF045800:Homo sapiens gremlin mRNA, complete cds /cds=(  
 39490\_f\_at Cluster Incl. W26381:29b11 Homo sapiens cDNA /gb=W26381 /gi=1307098 /  
 39500\_s\_at Cluster Incl. AL049299:Homo sapiens mRNA; cDNA DKFZp564P233 (from clo  
 39508\_at Cluster Incl. AI201607:qb81b03.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 5 40904\_at Cluster Incl. AI857673:wk96c02.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41001\_at Cluster Incl. AB023202:Homo sapiens mRNA for KIAA0985 protein, complete  
 41286\_at Cluster Incl. X77753:H.sapiens TROP-2 gene /cds=(615,1586) /gb=X77753 /  
 41799\_at Cluster Incl. W28595:48h8 Homo sapiens cDNA /gb=W28595 /gi=1308543 /ug=  
 32525\_r\_at Cluster Incl. W29012:55a6 Homo sapiens cDNA /gb=W29012 /gi=1308969 /u  
 10 32540\_at Cluster Incl. AI762547:wh92e05.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 1967\_f\_at U18334 /FEATURE=cds /DEFINITION=HSUNOSIIC1 Human nitric oxide  
 synthase  
 1804\_at X07730 /FEATURE= /DEFINITION=HSPSA Human mRNA for prostate specific anti  
 1432\_s\_at D16105 /FEATURE= /DEFINITION=HUMLTCLP2 Human mRNA for leukocyte  
 15 tyrosi  
 1296\_at D83542 /FEATURE= /DEFINITION=HUMC15A Homo sapiens mRNA for cadherin-15,  
 1089\_i\_at M64936 /FEATURE= /DEFINITION=HUMRIRT Homo sapiens retinoic acid-  
 induci  
 970\_r\_atX98296 /FEATURE=cds /DEFINITION=HSUBIQHYD H.sapiens mRNA for ubiquitin  
 20 916\_at L18983 /FEATURE=mRNA /DEFINITION=HUMTYROPHO Homo sapiens tyrosine  
 phospho  
 870\_f\_atM93311 /FEATURE=cds /DEFINITION=HUMMETIII Human metallothionein-III gen  
 726\_f\_atChorionic Somatomammotropin Hormone Cs-5  
 259\_s\_at M16441 /FEATURE=cds#2 /DEFINITION=HUMTNFAB Human tumor necrosis  
 25 factor

## METAGENE 347 :

- ans =  
 30 33647\_s\_at Cluster Incl. AA224768:nc12d09.r1 Homo sapiens cDNA /clone=IMAGE-1007  
 35934\_at Cluster Incl. L19161:Human translation initiation factor eIF-2 gamma su  
 37507\_i\_at Cluster Incl. AA675900:g02504r Homo sapiens cDNA, 5 end /clone=g0250  
 38230\_at Cluster Incl. U81984:Human endothelial PAS domain protein 1 (EPAS1) mRN  
 38881\_i\_at Cluster Incl. AF096870:Homo sapiens estrogen-responsive B box protein  
 35 32038\_s\_at Cluster Incl. AI739308:wi30c12.x1 Homo sapiens cDNA, 3 end /clone=IM  
 40100\_at Cluster Incl. U72206:Human guanine nucleotide regulatory factor (LFP40)  
 40845\_at Cluster Incl. U10324:Human nuclear factor NF90 mRNA, complete cds /cds=  
 33818\_at Cluster Incl. AC004472:Homo sapiens chromosome 9, P1 clone 11659 /cds=(  
 34374\_g\_at Cluster Incl. Z97054:Human DNA sequence from PAC 339A18 on chromosome

- 35287\_at Cluster Incl. AF046888:Homo sapiens proliferation inducing ligand APRIL
- 37024\_at Cluster Incl. AF010312:Homo sapiens Pig7 (PIG7) mRNA, complete cds /cds
- 38393\_at Cluster Incl. D87434:Human mRNA for KIAA0247 gene, complete cds /cds=(2
- 38401\_s\_at Cluster Incl. W27594:34h4 Homo sapiens cDNA /gb=W27594 /gi=1307542 /u
- 5 2025\_s\_at M80261 /FEATURE= /DEFINITION=HUMAPE Human apurinic endonuclease (APE)
- 1950\_s\_at AB004922 /FEATURE=cds /DEFINITION=AB004922S1 Homo sapiens gene for Sma
- 1936\_s\_at Proto-Oncogene C-Myc, Alt. Splice 3, Orf 114
- 10 1272\_at L19161 /FEATURE= /DEFINITION=HUMIEF2G Human translation initiation facto
- 1244\_at U18671 /FEATURE=mRNA /DEFINITION=HSU18671 Human Stat2 gene, complete cds
- 1220\_g\_at X15949 /FEATURE=cds /DEFINITION=HSIRF2 Human mRNA for interferon regul
- 1199\_at D13748 /FEATURE= /DEFINITION=HUM4AI Human mRNA for eukaryotic initiation
- 15 898\_s\_at L37360 /FEATURE= /DEFINITION=HUMEFL2 Homo sapiens (clone hEHK1-L) EHK1
- 612\_s\_at M19650 /FEATURE= /DEFINITION=HUMCNPDEA Human 2 ,3 -cyclic nucleotide 3
- 463\_g\_at U70862 /FEATURE= /DEFINITION=HSU70862 Human nuclear factor I B3
- 20 mRNA, c
- 421\_at X66397 /FEATURE=cds /DEFINITION=HSTPRM H.sapiens tpr mRNA

## METAGENE 351 :

- 25 ans =
- 32001\_s\_at Cluster Incl. M80482:Human subtilisin-like protein (PACE4) mRNA, comp
- 35055\_at Cluster Incl. X53281:H.sapiens BTF3b mRNA /cds=(239,727) /gb=X53281 /gi
- 34042\_at Cluster Incl. U96769:Homo sapiens chondroadherin gene, 5flanking region
- 35437\_at Cluster Incl. M88461:Human neuropeptide Y peptide YY receptor mRNA, com
- 30 37486\_f\_at Cluster Incl. U68385:Human Meis1-related protein 2 (MRG2), mRNA, part
- 37811\_at Cluster Incl. AF042792:Homo sapiens alpha 2 delta calcium channel subun
- 38167\_at Cluster Incl. AB020704:Homo sapiens mRNA for KIAA0897 protein, partial
- 38954\_at Cluster Incl. Y18423:Homo sapiens VIP2R gene, exons 1-2 (and joined CDS
- 39583\_at Cluster Incl. AF030435:Homo sapiens glioma amplified on chromosome 1 pr
- 35 39992\_at Cluster Incl. AF030302:Homo sapiens p45-BWR1A (BWR1-A) mRNA, complete c
- 40016\_g\_at Cluster Incl. AB002301:Human mRNA for KIAA0303 gene, partial cds /cds
- 41655\_at Cluster Incl. AL034399:dA191P20.2 (novel Fibronectin type III domain co
- 35175\_f\_at Cluster Incl. X70940:H.sapiens mRNA for elongation factor 1 alpha-2 /

- 35216\_at Cluster Incl. X79440:H.sapiens mRNA for NADP+-dependent malic enzyme /c  
 36499\_at Cluster Incl. D87469:Human mRNA for KIAA0279 gene, partial cds /c=(0,  
 36859\_at Cluster Incl. AF067724:Homo sapiens nm23-H5 mRNA, complete cds /c=(48  
 38688\_at Cluster Incl. AB007930:Homo sapiens mRNA for KIAA0461 peroteine, partial  
 5 39014\_at Cluster Incl. D84239:Homo sapiens mRNA for IgG Fc binding protein, comp  
 39378\_at Cluster Incl. U17999:HSU17999 Homo sapiens cDNA /clone=B49B32B27 /gb=U1  
 39421\_at Cluster Incl. D43969:Human AML1 mRNA for AML1c protein (alternatively s  
 39781\_at Cluster Incl. U20982:Human insulin-like growth factor binding protein-4  
 33452\_at Cluster Incl. M15518:Human tissue-type plasminogen activator (t-PA) mRNA  
 10 33825\_at Cluster Incl. X68733:H.sapiens gene for alpha1-antichymotrypsin, exon 1  
 34408\_at Cluster Incl. AF004222:Homo sapiens RTN2-A (RTN2) mRNA, complete cds /c  
 35778\_at Cluster Incl. AB011103:Homo sapiens mRNA for KIAA0531 protein, complete  
 36179\_at Cluster Incl. U12779:Human MAP kinase activated protein kinase 2 mRNA,  
 40986\_s\_at Cluster Incl. AA058852:zf65a11.s1 Homo sapiens cDNA, 3 end /clone=IM  
 15 41328\_s\_at Cluster Incl. AL096717:Homo sapiens mRNA; cDNA DKFZp564P0662 (from cl  
 1737\_s\_at M62403 /FEATURE= /DEFINITION=HUMIGFBP5 Human insulin-like growth  
 facto  
 1241\_at U14603 /FEATURE= /DEFINITION=HSU14603 Human protein-tyrosine phosphatase  
 943\_at D43968 /FEATURE= /DEFINITION=HUMAML1BA Human AML1 mRNA for AML1b  
 20 protein  
 573\_at M86826 /FEATURE= /DEFINITION=HUMIGFACID Human IGF binding protein  
 complex  
 METAGENE 365 :  
 25 ans =  
 31593\_at Cluster Incl. Z70200:H.sapiens gene for U5 snRNP-specific 200kD protein  
 31597\_r\_at Cluster Incl. L36055:Human 4E-binding protein 1 mRNA, complete cds /c  
 33642\_s\_at Cluster Incl. U17986:Human GABA/noradrenaline transporter mRNA, compl  
 30 34016\_s\_at Cluster Incl. X78338:Synthetic adenovirus transformed human retina ce  
 35438\_at Cluster Incl. X87852:H.sapiens mRNA for SEX gene /c=(184,5799) /gb=X8  
 38200\_at Cluster Incl. U11690:Human faciogenital dysplasia (FGD1) mRNA, complete  
 39235\_at Cluster Incl. AC003038:Human DNA from chromosome 19-specific cosmid R30  
 35243\_at Cluster Incl. AA535884:nf90d04.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 35 37965\_at Cluster Incl. AA181053:zp66g11.s1 Homo sapiens cDNA, 3 end /clone=IMAG  
 40465\_at Cluster Incl. AF026402:Homo sapiens U5 snRNP 100 kD protein mRNA, compl  
 36987\_at Cluster Incl. M94362:Human lamin B2 (LAMB2) mRNA, partial cds /c=(0,1  
 37719\_at Cluster Incl. AF070539:Homo sapiens clone 24433 myelodysplasia/myeloid  
 32543\_at Cluster Incl. M84739:Human autoantigen calreticulin mRNA, complete cds

- 32559\_s\_at Cluster Incl. AJ238096:Homo sapiens mRNA for Lsm4 protein /cds=(23,44  
1979\_s\_at X55504 /FEATURE=cds /DEFINITION=HSP120A H.sapiens mRNA for P120  
antige  
1775\_at L24559 /FEATURE= /DEFINITION=HUMDNSPOLA Homo sapiens DNA polymerase  
5 alph  
1781\_at M25269 /FEATURE= /DEFINITION=HUMELK1A Homo sapiens tyrosine kinase (ELK1  
1752\_at AD000092 /FEATURE=cds#6 /DEFINITION=CH19HHR23 Homo sapiens DNA from chro  
1462\_s\_at M80397 /FEATURE= /DEFINITION=HUMDNAPOLC Human DNA polymerase  
delta cat  
10 1224\_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA PCTAIRE-1 for se  
1225\_g\_at X66363 /FEATURE=cds /DEFINITION=HSSTHPKD H.sapiens mRNA  
PCTAIRE-1 for  
1100\_at L76191 /FEATURE=mRNA /DEFINITION=HUMI1R Homo sapiens interleukin-1 recep  
410\_s\_at X57152 /FEATURE=mRNA#1 /DEFINITION=HSCKIIBE Human gene for casein  
15 kinas

METAGENE 369 :

- ans =  
20 31364\_i\_at Cluster Incl. W27762:37c6 Homo sapiens cDNA /gb=W27762 /gi=1307710 /u  
33943\_at Cluster Incl. L20941:Human ferritin heavy chain mRNA, complete cds /cds  
33237\_at Cluster Incl. AB018344:Homo sapiens mRNA for KIAA0801 protein, complete  
36507\_at Cluster Incl. D30612:Homo sapiens mRNA for repressor protein, partial c  
37961\_at Cluster Incl. U90907:Human clone 23907 mRNA sequence /cds=UNKNOWN  
25 /gb=U  
38712\_at Cluster Incl. AL035291:H.sapiens gene from PACs 125H23 and 105D12 /cds=  
38969\_at Cluster Incl. AI828168:wk32h09.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
35833\_at Cluster Incl. AL080184:Homo sapiens mRNA; cDNA DKFZp434O071 (from  
clone  
30 38381\_at Cluster Incl. U32315:Human syntaxin 3 mRNA, complete cds /cds=(38,907)  
41296\_s\_at Cluster Incl. W27761:37c5 Homo sapiens cDNA /gb=W27761 /gi=1307709 /u  
1904\_at D50692 /FEATURE= /DEFINITION=HUMAMY1 Homo sapiens mRNA for c-myc  
binding  
160033\_s\_at NM\_006297 /FEATURE=mRNA /DEFINITION=Homo sapiens X-ray repair  
35 comple

METAGENE 389 :

ans =

	32430_at	Cluster Incl. M73481:Human gastrin releasing peptide receptor (GRPR) mR
	37142_at	Cluster Incl. AF038421:Homo sapiens GPI-linked anchor protein (GFRA1) m
	38875_r_at	Cluster Incl. AB011147:Homo sapiens mRNA for KIAA0575 protein, comple
	39616_at	Cluster Incl. AL050227:Homo sapiens mRNA; cDNA DKFZp586M0723 (from
<b>5</b>	clon	
	39642_at	Cluster Incl. AL080199:Homo sapiens mRNA; cDNA DKFZp434E082 (from
	clone	
	41048_at	Cluster Incl. D90070:Human ATL-derived PMA-responsive (APR) peptide mRN
	32027_at	Cluster Incl. AF012281:Homo sapiens PDZ domain containing-protein (PDZK
<b>10</b>	32043_at	Cluster Incl. AF098462:Homo sapiens stanniocalcin-related protein mRNA,
	32686_at	Cluster Incl. D86096:Human DNA for prostaglandin E receptor EP3 subtype
	33799_at	Cluster Incl. U76248:Human hSIAH2 mRNA, complete cds /cds=(526,1500) /g
	33800_at	Cluster Incl. AF036927:Homo sapiens adenylyl cyclase type IX mRNA, comp
	34678_at	Cluster Incl. AL096713:Homo sapiens mRNA; cDNA DKFZp564E1616 (from
<b>15</b>	clon	
	37273_at	Cluster Incl. AF007153:Homo sapiens clone 23736 mRNA sequence /cds=UNKN
	37638_at	Cluster Incl. D50857:Human DOCK180 protein mRNA, complete cds /cds=(23,
	37902_at	Cluster Incl. L13278:Homo sapiens zeta-crystallin/quinone reductase mRN
	38254_at	Cluster Incl. AB020689:Homo sapiens mRNA for KIAA0882 protein, partial
<b>20</b>	39055_at	Cluster Incl. M32886:Human sorcin CP-22 mRNA, complete cds /cds=(12,608
	39714_at	Cluster Incl. AF042081:Homo sapiens SH3 domain binding glutamic acid-ri
	40088_at	Cluster Incl. X84373:H.sapiens mRNA for nuclear factor RIP140 /cds=(287
	40790_at	Cluster Incl. AB004066:Homo sapiens mRNA for DEC1, complete cds /cds=(1
	33405_at	Cluster Incl. N90755:zb22c08.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
<b>25</b>	33821_at	Cluster Incl. AL034374:Human DNA sequence from clone 483K16 on chromoso
	34785_at	Cluster Incl. AB028948:Homo sapiens mRNA for KIAA1025 protein, partial
	35356_at	Cluster Incl. W21884:58c2 Homo sapiens cDNA /clone=(not-directional) /g
	35371_at	Cluster Incl. M83822:Human beige-like protein (BGL) mRNA, partial cds /
	35842_at	Cluster Incl. AL049265:Homo sapiens mRNA; cDNA DKFZp564F053 (from
<b>30</b>	clone	
	36634_at	Cluster Incl. U72649:Human BTG2 (BTG2) mRNA, complete cds /cds=(71,547)
	37027_at	Cluster Incl. M80899:Human novel protein AHNAK mRNA, partial sequence /
	37038_at	Cluster Incl. X83467:H.sapiens PXMP1 gene, exon 1 (and joined CDS) /cds
	38078_at	Cluster Incl. AF042166:Homo sapiens beta-filamin mRNA, complete cds /cd
<b>35</b>	38415_at	Cluster Incl. U14603:Human protein-tyrosine phosphatase (HU-PP-1) mRNA,
	40220_at	Cluster Incl. AB021179:Homo sapiens mRNA for HEXIM1 protein, complete c
	32510_at	Cluster Incl. AF026947:Homo sapiens aflatoxin aldehyde reductase AFAR m
	2042_s_at	M15024 /FEATURE= /DEFINITION=HUMCMYBLA Human c-myb mRNA,
	complete cds	

1909\_at M14745 /FEATURE= /DEFINITION=HUMBCL2C Human bcl-2 mRNA

1798\_at U41060 /FEATURE= /DEFINITION=HSU41060 Human breast cancer, estrogen regu

376\_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for semaphorin

377\_g\_at AB000220 /FEATURE= /DEFINITION=AB000220 Homo sapiens mRNA for  
5 semaphori

310\_s\_at J03778 /FEATURE= /DEFINITION=HUMTAUA Human microtubule-associated  
prote

METAGENE 393 :

10

ans =

35061\_at Cluster Incl. AF030514:Homo sapiens interferon stimulated T-cell alpha

37126\_at Cluster Incl. M62800:Human 52-kD SS-A/Ro autoantigen mRNA, complete cds

37168\_at Cluster Incl. AB013924:Homo sapiens mRNA for TSC403 protein, complete c

15 37420\_i\_at Cluster Incl. AL022723:dJ377H14.9 (major histocompatibility complex,

39988\_at Cluster Incl. M74447:Human PSF-2 mRNA, complete cds /cds=(96,2207) /gb=

33304\_at Cluster Incl. U88964:Human HEM45 mRNA, complete cds /cds=(37,582) /gb=U

36472\_at Cluster Incl. U32849:Homo sapiens Nmi mRNA, complete cds /cds=(280,1203

36825\_at Cluster Incl. X82200:H.sapiens Staf50 mRNA /cds=(122,1450) /gb=X82200 /

20 37219\_at Cluster Incl. X72755:H.sapiens Humig mRNA /cds=(39,416) /gb=X72755 /gi=

37944\_at Cluster Incl. U19523:Human GTP cyclohydrolase I mRNA, complete cds /cds

38287\_at Cluster Incl. AA808961:nw16h03.s1 Homo sapiens cDNA /clone=IMAGE-124066

40153\_at Cluster Incl. X57522:H.sapiens RING4 cDNA /cds=(30,2456) /gb=X57522 /gi

41171\_at Cluster Incl. D45248:Human mRNA for proteasome activator hPA28 subunit

25 41237\_at Cluster Incl. D32129:Human mRNA for HLA class-I (HLA-A26) heavy chain,

32859\_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, com

32860\_g\_at Cluster Incl. M97935:Homo sapiens transcription factor ISGF-3 mRNA, c

33338\_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence /c

33339\_g\_at Cluster Incl. M97936:Human transcription factor ISGF-3 mRNA sequence

30 35735\_at Cluster Incl. M55542:Human guanylate binding protein isoform I (GBP-2)

37352\_at Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complete

38759\_at Cluster Incl. U97502:Homo sapiens butyrophilin (BT3.3) gene /cds=(73,22

38760\_f\_at Cluster Incl. U90546:Human butyrophilin (BTF4) mRNA, complete cds /cd

1184\_at D45248 /FEATURE= /DEFINITION=HUMHPA28A Human mRNA for proteasome

35 activa

1021\_at J00219 /FEATURE=mRNA /DEFINITION=HUMIFNG Human immune interferon (IFN-ga

669\_s\_at L05072 /FEATURE=expanded\_cds /DEFINITION=HUMIFNRF1A Homo sapiens  
interfe

495\_at U31628 /FEATURE= /DEFINITION=HSU31628 Human interleukin-15 receptor alpha

431\_at X02530 /FEATURE=cds /DEFINITION=HSINFGFR Human mRNA for gamma-interferon

# METAGENE 399 :

- 5**    ans =
- 35484\_at    Cluster Incl. U95737:Human Chromosome 16 BAC clone CIT987SK-A-388D4 /cd
- 36173\_r\_at    Cluster Incl. AF002163:Homo sapiens delta-adaptin mRNA, complete cds
- 2023\_g\_at    M77198 /FEATURE= /DEFINITION=HUMRPKB Human rac protein kinase beta mRNA

**10**

# METAGENE 408 :

- ans =
- 36412\_s\_at    Cluster Incl. U53831:Homo sapiens interferon regulatory factor 7B mRNA
- 15**    34491\_at    Cluster Incl. AJ225089:Homo sapiens mRNA for 2-5 oligoadenylate synthetase
- 38517\_at    Cluster Incl. M87503:Human IFN-responsive transcription factor subunit
- 38549\_at    Cluster Incl. AF026941:Homo sapiens cig5 mRNA, partial sequence /cds=UN
- 38584\_at    Cluster Incl. AF026939:Homo sapiens CIG49 (cig49) mRNA, complete cds /c
- 39263\_at    Cluster Incl. M87434:Human 71 kDa 25 oligoadenylate synthetase (p69 2-
- 20**    41045\_at    Cluster Incl. U77643:Homo sapiens K12 protein precursor mRNA, complete
- 31812\_at    Cluster Incl. M24470:Human glucose-6-phosphate dehydrogenase, complete
- 32114\_s\_at    Cluster Incl. S46950:adenosine A2 receptor [human, hippocampal, mRNA,
- 33236\_at    Cluster Incl. AF060228:Homo sapiens retinoic acid receptor responder 3
- 35718\_at    Cluster Incl. L22342:Human nuclear phosphoprotein mRNA, complete cds /c
- 25**    36927\_at    Cluster Incl. AB000115:Homo sapiens mRNA expressed in osteoblast, compl
- 37641\_at    Cluster Incl. D28915:Human gene for hepatitis C-associated microtubular
- 38662\_at    Cluster Incl. AL047596:DKFZp586G0421\_s1 Homo sapiens cDNA
- /clone=DKFZp5
- 39061\_at    Cluster Incl. D28137:Human mRNA for BST-2, complete cds /cds=(9,551) /g
- 30**    40505\_at    Cluster Incl. AA883502:am25h07.s1 Homo sapiens cDNA, 3 end /clone=IMAG
- 41745\_at    Cluster Incl. X57352:Human 1-8U gene from interferon-inducible gene fam
- 32775\_r\_at    Cluster Incl. AB006746:Homo sapiens hMmTRA1b mRNA, complete cds /cds=
- 32814\_at    Cluster Incl. M24594:Human interferon-inducible 56 Kd protein mRNA, com
- 37014\_at    Cluster Incl. M33882:Human p78 protein mRNA, complete cds /cds=(345,233
- 35**    37353\_g\_at    Cluster Incl. M60618:Human nuclear autoantigen (SP-100) mRNA, complet
- 37360\_at    Cluster Incl. U66711:Human Ly-6-related protein (9804) gene, complete c
- 38388\_at    Cluster Incl. M11810:Human (2-5 ) oligo A synthetase E gene /cds=(0,120
- 38389\_at    Cluster Incl. X04371:Human 1.6Kb mRNA for 2-5A synthetase induced by in
- 38432\_at    Cluster Incl. AA203213:zx57e04.r1 Homo sapiens cDNA, 5 end /clone=IMAG



- 1358\_s\_at U22970 /FEATURE=mRNA#1 /DEFINITION=HSU22970 Human interferon-inducible
- 1107\_s\_at M13755 /FEATURE=mRNA /DEFINITION=HUMIFN15K Human interferon-induced 17
- 5 915\_at M24594 /FEATURE=mRNA /DEFINITION=HUMI56KD Human interferon-inducible 56
- 879\_at M30818 /FEATURE=mRNA /DEFINITION=HUMMXB Human interferon-induced cellular
- 675\_at J04164 /FEATURE= /DEFINITION=HUM927A Human interferon-inducible protein 9
- 626\_s\_at L78833 /FEATURE=cds#5 /DEFINITION=HUMBRCA1 Human BRCA1, Rho7
- 10 and vatI g
- 464\_s\_at U72882 /FEATURE= /DEFINITION=HSU72882 Human interferon-induced leucine
- 425\_at X67325 /FEATURE=cds /DEFINITION=HSP27 H.sapiens p27 mRNA
- 269\_at L40387 /FEATURE=cds /DEFINITION=HUMTRIP14G Homo sapiens thyroid receptor
- 15 METAGENE 440 :
- ans =
- 31350\_at Cluster Incl. AC004597:Homo sapiens chromosome 19, cosmid F20722 /cds=(
- 20 31439\_f\_at Cluster Incl. X63095:H.sapiens mRNA for rhesus polypeptide (RhVI) /cd
- 31478\_at Cluster Incl. M16653:Human pancreatic elastase IIB mRNA, complete cds /
- 31590\_g\_at Cluster Incl. AL031983:dJ271M21.2 (hs6M1-12 (7 transmembrane receptor
- 31775\_at Cluster Incl. X65018:H.sapiens mRNA for lung surfactant protein D /cds=
- 31785\_f\_at Cluster Incl. U92817:Homo sapiens unnamed HERV-H protein mRNA, comple
- 25 31930\_f\_at Cluster Incl. X63096:H.sapiens mRNA for rhesus polypeptide (RhVIII) /
- 31991\_at Cluster Incl. AL049430:Homo sapiens mRNA; cDNA DKFZp586H201 (from clone
- 32007\_at Cluster Incl. W29045:55e12 Homo sapiens cDNA /gb=W29045 /gi=1309002 /ug
- 32010\_at Cluster Incl. Z82180:Human DNA sequence from clone E81G9 on chromosome
- 30 32407\_f\_at Cluster Incl. U92818:Homo sapiens c33.28 unnamed HERV-H protein mRNA,
- 33651\_at Cluster Incl. AB013456:Homo sapiens hAQP8 mRNA for aquaporin 8, complet
- 33670\_at Cluster Incl. X74439:H.sapiens mRNA for estrogen receptor gene 5flankin
- 34060\_g\_at Cluster Incl. AA586695:nn42h06.s1 Homo sapiens cDNA, 3 end /clone=IM
- 34067\_at Cluster Incl. AL022314:dJ1170K4.2 (novel Trypsin family protein with cl
- 35 34139\_at Cluster Incl. AL049651:Human DNA sequence from clone 753D10 on chromoso
- 34634\_s\_at Cluster Incl. U68487:Human 5-hydroxytryptamine7 receptor isoform b mR
- 34636\_at Cluster Incl. M23892:Human 15-lipoxygenase mRNA, complete cds /cds=(3,1
- 35091\_at Cluster Incl. AA706226:ah28a07.s1 Homo sapiens cDNA, 3 end /clone=1240
- 35536\_at Cluster Incl. AB011176:Homo sapiens mRNA for KIAA0604 protein, complete

	36332_at	Cluster Incl. U40391:Human serotonin N-acetyltransferase gene, complete
	36375_at	Cluster Incl. X74614:H.sapiens ODF2 (allele 2) gene for outer dense fib
	36407_at	Cluster Incl. AL050220:Homo sapiens mRNA; cDNA DKFZp586J1923 (from clon
	36411_s_at	Cluster Incl. U29943:Human ELAV-like neuronal protein-2 Hel-N2 mRNA,
5	32271_at	Cluster Incl. X16707:Human fra-1 mRNA /cds=(34,849) /gb=X16707 /gi=3146
	32866_at	Cluster Incl. AB011177:Homo sapiens mRNA for KIAA0605 protein, complete
	32898_at	Cluster Incl. U20582:Human actin-like peptide mRNA, partial cds /cds=(2
	32915_at	Cluster Incl. AL109730:Homo sapiens mRNA full length insert cDNA clone
	33470_at	Cluster Incl. AF052177:Homo sapiens clone 24510 mRNA sequence /cds=UNKN
10	33521_at	Cluster Incl. M63962:Human gastric H,K-ATPase catalytic subunit gene, c
	33545_at	Cluster Incl. M81758:Homo sapiens skeletal muscle voltage-dependent sod
	33568_at	Cluster Incl. U48861:Human beta 4 nicotinic acetylcholine receptor subu
	34425_at	Cluster Incl. AF031469:Homo sapiens MHC class I related protein 1 isofo
	34457_at	Cluster Incl. U76010:Human putative zinc transporter ZnT-3 (ZnT-3) mRNA
15	34527_r_at	Cluster Incl. AF052108:Homo sapiens clone 23687 mRNA sequence /cds=UN
	34981_at	Cluster Incl. M55513:Human potassium channel (HPCN1) mRNA, complete cds
	35485_at	Cluster Incl. X80818:H.sapiens mRNA for metabotropic glutamate receptor
	35899_at	Cluster Incl. AF109401:Homo sapiens neurotrophic factor artemin precurs
	35915_at	Cluster Incl. X82540:H.sapiens mRNA for activin beta-C chain /cds=(127,
20	35939_s_at	Cluster Incl. L20433:Human octamer binding transcription factor 1 (OT
	35950_at	Cluster Incl. U90841:Homo sapiens SSX4 (SSX4) mRNA, complete cds /cds=(
	36276_at	Cluster Incl. X67734:H.sapiens mRNA for transient axonal glycoprotein (
	36285_at	Cluster Incl. U07364:Human inwardly rectifying potassium channel mRNA,
	36298_at	Cluster Incl. L14565:Human peripherin (PRPH) gene exons 1-9, complete c
25	36702_at	Cluster Incl. AJ010277:Homo sapiens mRNA for TBX19 protein /cds=(51,139
	36706_at	Cluster Incl. Y15057:Homo sapiens mRNA for STK9 protein /cds=(221,3313)
	36754_at	Cluster Incl. X60435:H.sapiens gene PACAP for pituitary adenylate cycla
	37853_at	Cluster Incl. AI857458:w157e02.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	38507_at	Cluster Incl. X16867:Human mRNA for cytochrome P-450IID (clone pMP34) /
30	38558_at	Cluster Incl. M29273:Human myelin-associated glycoprotein (MAG) mRNA, c
	38851_at	Cluster Incl. M63394:Human 3 nucleotide sequence mRNA /cds=UNKNOWN
	/gb=	
	38860_at	Cluster Incl. U66346:Homo sapiens cAMP phosphodiesterase (PDE4C) mRNA,
	38897_at	Cluster Incl. AJ000730:Homo sapiens mRNA for cationic amino acid transp
35	38942_r_at	Cluster Incl. W28610:49b12 Homo sapiens cDNA /gb=W28610 /gi=1308558 /
	39242_at	Cluster Incl. X96783:H.sapiens Syt V gene (genomic and cDNA sequence) /
	39245_at	Cluster Incl. U72507:Human 40871 mRNA partial sequence /cds=UNKNOWN /gb
	39990_at	Cluster Incl. U07559:Human ISL-1 (Islet-1) mRNA, complete cds /cds=(248
	40299_at	Cluster Incl. AF091890:Homo sapiens G-protein coupled receptor RE2 mRNA

	40317_at	Cluster Incl. U57352:Human sodium channel 1 (hBNaC1) mRNA, complete cds
	40643_at	Cluster Incl. M34480:Human platelet glycoprotein IIb (GPIIb) mRNA, comp
	41647_at	Cluster Incl. W28742:51a7 Homo sapiens cDNA /gb=W28742 /gi=1308690 /ug=
	32029_at	Cluster Incl. AF017995:Homo sapiens 3-phosphoinositide dependent protei
5	32710_at	Cluster Incl. X83127:H.sapiens mRNA for voltage gated potassium channel
	33779_at	Cluster Incl. AF060538:Homo sapiens vesicle associated membrane protein
	34655_at	Cluster Incl. AI951832:wx38b09.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	35685_at	Cluster Incl. Z14000:H.sapiens RING1 gene /cds=(75,1208) /gb=Z14000 /gi
	36011_at	Cluster Incl. AF035531:Homo sapiens syntaxin 10 mRNA, complete cds /cds
10	36037_g_at	Cluster Incl. J05500:Human beta-spectrin (SPTB) mRNA, complete cds /c
	36546_r_at	Cluster Incl. AB011114:Homo sapiens mRNA for KIAA0542 protein, comple
	36815_at	Cluster Incl. AF038185:Homo sapiens clone 23700 mRNA sequence /cds=UNKN
	36883_at	Cluster Incl. X14640:Human mRNA for keratin 13 /cds=(42,1418) /gb=X1464
	36907_at	Cluster Incl. M88468:Homo sapiens mevalonate kinase mRNA, complete cds
15	37191_at	Cluster Incl. D87463:Human mRNA for KIAA0273 gene, complete cds /cds=(4
	37270_at	Cluster Incl. AF007876:Homo sapiens Na,K-ATPase beta 2 subunit gene, co
	38624_at	Cluster Incl. AF054506:Homo sapiens erythroid K-Cl cotransporter splici
	38646_s_at	Cluster Incl. AI763065:wi64h03.x1 Homo sapiens cDNA, 3 end /clone=IM
	38660_at	Cluster Incl. F27891:HSPD16170 Homo sapiens cDNA /clone=s4000025D03 /gb
20	40094_r_at	Cluster Incl. X80026:H.sapiens B-cam mRNA /cds=(6,1772) /gb=X80026 /g
	40442_f_at	Cluster Incl. W26019:18b9 Homo sapiens cDNA /gb=W26019 /gi=1306304 /u
	40507_at	Cluster Incl. K03195:Human (HepG2) glucose transporter gene mRNA, compl
	32810_at	Cluster Incl. AF019369:untitled /cds=(89,826) /gb=AF019369 /gi=2623563
	34832_s_at	Cluster Incl. AB018306:Homo sapiens mRNA for KIAA0763 protein, comple
25	35756_at	Cluster Incl. AF089816:Homo sapiens RGS-GAIP interacting protein GIPC m
	36615_at	Cluster Incl. M83751:Human arginine-rich protein (ARP) gene, complete c
	38027_at	Cluster Incl. X53742:H.sapiens mRNA for fibulin-1 B /cds=(10,1815) /gb=
	38048_at	Cluster Incl. D84110:Homo sapiens mRNA for RBP-MS/type 4, complete cds
	38058_at	Cluster Incl. Z22865:H.sapiens dermatopontin mRNA, complete CDS /cds=(1
30	38752_r_at	Cluster Incl. AA426364:zv61b06.s1 Homo sapiens cDNA, 3 end /clone=IM
	39468_r_at	Cluster Incl. W27081:22g5 Homo sapiens cDNA /gb=W27081 /gi=1306660 /u
	39472_s_at	Cluster Incl. W25985:17e6 Homo sapiens cDNA /gb=W25985 /gi=1306252 /u
	39870_at	Cluster Incl. AI377866:te63h04.x1 Homo sapiens cDNA, 3 end /clone=IMAG
	40595_at	Cluster Incl. AI345337:tb81g11.x1 Homo sapiens cDNA, 3 end /clone=IMAG
35	40919_at	Cluster Incl. M81830:Human somatostatin receptor isoform 2 (SSTR2) gene
	40938_at	Cluster Incl. Y13835:Homo sapiens mRNA for farnesylated-proteins conver
	40954_at	Cluster Incl. H94881:yu57f07.s1 Homo sapiens cDNA, 3 end /clone=IMAGE-
	40959_at	Cluster Incl. AB011171:Homo sapiens mRNA for KIAA0599 protein, partial
	41351_at	Cluster Incl. AA885106:am31h01.s1 Homo sapiens cDNA, 3 end /clone=IMAG

- 41361\_at Cluster Incl. W28148:43f2 Homo sapiens cDNA /gb=W28148 /gi=1308159 /ug=  
 41793\_at Cluster Incl. AI288757:qm11h01.x1 Homo sapiens cDNA, 3 end /clone=IMAG  
 41825\_at Cluster Incl. W26652:34c6 Homo sapiens cDNA /gb=W26652 /gi=1307495 /ug=  
 32560\_s\_at Cluster Incl. W30959:zc65h10.r1 Homo sapiens cDNA, 5 end /clone=IMAG  
**5** 1552\_i\_at U22028 /FEATURE=expanded\_cds /DEFINITION=HSU22028 Human  
 cytochrome P45  
 1517\_at J02906 /FEATURE=mRNA /DEFINITION=HUMCYPIIF Human cytochrome P450IIF1  
 pro  
 1419\_g\_at D29675 /FEATURE=exon /DEFINITION=HUMNOSB Human inducible nitric  
**10** oxide  
 1339\_s\_at X14675 /FEATURE=cds /DEFINITION=HSBCR3C Human bcr-abl mRNA 5  
 fragment  
 1289\_at L02321 /FEATURE= /DEFINITION=HUMGSTM5 Human glutathione S-transferase (G  
 1259\_at L76568 /FEATURE=exons#13-14 /DEFINITION=HUMERCC4G Homo sapiens excision  
**15** 1177\_at Dna-Binding Protein Ap-2, Alt. Splice 3  
 1155\_at J03069 /FEATURE=mRNA /DEFINITION=HUMMYCL2A Human MYCL2 gene,  
 complete cd  
 1122\_f\_at K03183 /FEATURE=cds /DEFINITION=HUMCGBBA3 Human chorionic  
 gonadotropin  
**20** 1032\_at U11872 /FEATURE= /DEFINITION=HSU11872 Human interleukin-8 receptor type  
 730\_r\_at Mucin 3, Intestinal  
 731\_f\_at Mucin 3, Intestinal  
 732\_f\_at Mucin 3, Intestinal  
 420\_at X65633 /FEATURE=cds /DEFINITION=HSACTHR H.sapiens ACTH-R gene for adrenoc  
**25** 240\_at M64231 /FEATURE=mRNA /DEFINITION=HUMSPERSYN Human spermidine synthase  
 gen  
 121\_at X69699 /FEATURE= /DEFINITION=HSPAX8A H.sapiens Pax8 mRNA  
 METAGENE 495 :  
**30** ans =  
 31514\_at Cluster Incl. AF034970:Homo sapiens docking protein (DOK-2) mRNA, compl  
 33085\_at Cluster Incl. U64863:Human hPD-1 (hPD-1) mRNA, complete cds /cds=(68,93  
 36372\_at Cluster Incl. U51333:Human hexokinase III (HK3) mRNA, complete cds /cds  
**35** 36798\_g\_at Cluster Incl. J04168:Human leukosialin mRNA, complete cds /cds=(95,12  
 37148\_at Cluster Incl. AF025533:Homo sapiens leucocyte immunoglobulin-like recep  
 40327\_at Cluster Incl. U57052:Human Hoxb-13 mRNA, complete cds /cds=(54,908) /gb  
 40668\_s\_at Cluster Incl. U34624:Human T cell surface glycoprotein CD-6 mRNA, com  
 40712\_at Cluster Incl. D26579:Homo sapiens mRNA for transmembrane protein, compl

- 41718\_g\_at Cluster Incl. AC004770:Homo sapiens chromosome 11, BAC CIT-HSP-311e8  
 34293\_at Cluster Incl. AF004426:Homo sapiens microtubule-based motor (HsKIFC3) m  
 36008\_at Cluster Incl. AF041434:Homo sapiens potentially prenylated protein tyro  
 36052\_at Cluster Incl. U43959:Human beta 4 adducin mRNA, alternatively spliced p  
**5** 37238\_s\_at Cluster Incl. AF014118:Homo sapiens membrane-associated kinase (Myt1)  
 39778\_at Cluster Incl. M55621:Human N-acetylglucosaminyltransferase I (GlcNAc-TI  
 41764\_at Cluster Incl. AA976838:oq35c12.s1 Homo sapiens cDNA, 3' end /clone=IMAG  
 33374\_at Cluster Incl. L09708:Human complement component 2 (C2) gene allele b /c  
 33393\_at Cluster Incl. AJ237946:Homo sapiens mRNA for DEAD Box Protein 5 /cds=(0  
**10** 36195\_at Cluster Incl. U07681:Human NAD(H)-specific isocitrate dehydrogenase alp  
 39845\_at Cluster Incl. AF020760:Homo sapiens serine protease (Omi) mRNA, complet  
 1983\_at X68452 /FEATURE=cds /DEFINITION=HSCYCD2 H.sapiens mRNA for cyclin D2  
 1445\_at AF014958 /FEATURE= /DEFINITION=AF014958 Homo sapiens chemokine receptor  
 703\_at Immunoglobulin Heavy Chain, Vdjr Regions  
**15** 608\_at M12529 /FEATURE=mRNA /DEFINITION=HUMAPOE Human apolipoprotein E mRNA,  
 com

Table 10: 491 metagenes constructed (as described) in analysis of Duke breast cancer data with respect to ER status. This file lists the metagenes in order of nonlinear (tree model) association with ER status (top down).

- 5** Metagene 347
- d50840\_1048-1474,mrna\_for\_ceramide\_glucosyltransferase,\_complete\_cds\_  
hg3125-ht3301\_s\_at\_hg3125-ht3301\_estrogen\_receptor\_  
140401mrna\_572-992,(clone\_zap128)\_mrna\_3'\_end\_of\_cds\_  
**10** m14745\_5435-5981,bcl-2\_mrna  
s68805\_1972-2305,\_l-  
arginine:glycine\_amidinotransferase [human,kidney\_carcinoma\_cells,\_mrna,\_2330\_n  
u21931mrna\_965-1373,fructose-1,6-biphosphatase\_(fbp1)\_gene\_  
u22376exon#20\_757-1256,\_c-myb\_gene\_extracted\_from(c-  
**15** myb)\_gene,\_complete\_primary\_cds,\_and\_five\_comple  
u41060\_2936-3416,breast\_cancer,\_estrogen\_regulated\_liv-1\_protein\_(liv-1)\_mrna,\_partial\_cds\_  
u67963\_590-1148,lysophospholipase\_homolog\_(hu-k5)\_mrna,\_complete\_cds\_  
u72661\_650-1196,ninjurin1\_mrna,\_complete\_cds.  
u79293\_1221-1749,clone\_23948\_mrna\_sequence\_  
**20** u82987\_1140-1614,bcl-2\_binding\_component(bbc3)\_mrna,\_partial\_cds  
u96113\_1463-2003,nedd-4-like\_ubiquitin-  
protein\_ligase\_wwp1\_mrna,\_partial\_cds/gb=u96113/\_ntype=rna\_  
all\_x03635\_5885-6402,mrna\_for\_oestrogen\_receptor\_  
x55037mrna\_863-1448,gata-3\_mrna  
**25** x58072mrna\_1793-2309,hgata3\_mrna\_for\_trans-acting\_t-cell\_specific\_transcription\_factor\_  
all\_x83425\_1831-2390,lu\_gene\_for\_lutheran\_blood\_group\_glycoprotein\_  
  
Metagene 283
- 30** d26070mrna\_8922-9492,mrna\_for\_typeinositol\_1,4,5-trisphosphate\_receptor,\_complete\_cds\_  
l08044\_8-358,intestinal\_trefoil\_factor\_mrna,\_complete\_cds  
l38608\_1950-2478,cd6\_ligand\_(alcam)\_mrna,\_complete\_cds  
m12174\_28-493,ras-related\_rho\_mrna\_(clone\_6),\_partial\_cds  
m23263\_3498-3648,androgen\_receptor\_mrna,\_complete\_cds  
**35** m31627\_1191-1725,x\_box\_binding\_protein-1\_(xbp-1)\_mrna,\_complete\_cds  
s37730cds\_625-916:in\_reversesequence,\_496-635,\_insulin-like\_growth\_factor\_binding\_protein-  
2\_[human,\_  
u09770\_61-391,cysteine-rich\_heart\_protein\_(hcrhp)\_mrna,\_complete\_cds\_  
u39840\_2313-2823,hepatocyte\_nuclear\_factor-3\_alpha\_(hnf-3\_alpha)\_mrna,\_complete\_cds

- u52522\_1047-1581,arfaptin\_2\_putative\_target\_protein\_of\_adp-  
ribosylation\_factor\_mrna\_complete\_cds
- u94831\_1555-1933,multispanning\_membrane\_protein\_mrna\_complete\_cds/gb=u94831\_/ntype=rna
- all\_x06614\_2300-2889,mrna\_for\_receptor\_of\_retinoic\_acid
- 5 x12876mrna\_144-670,mrna\_fragment\_for\_cytokeratin\_18
- x52003cds\_63-213:in\_reversesequence,\_289-445,ps2\_protein\_gene
- x53002cds\_2049-2356:in\_reversesequence,\_2724-2849,mrna\_for\_integrin\_beta-5\_subunit
- all\_x76180\_2760-3115,mrna\_for\_lung\_amiloride\_sensitive\_na+\_channel\_protein\_
- all\_z11793\_1553-2001,mrna\_for\_selenoprotein\_p
- 10 Metagene 402
- d12686\_4468-4909,mrna\_for\_eukaryotic\_initiation\_factorgamma\_(eif-4\_gamma)\_
- d13636\_3011-3539,mrna\_for\_kiaa0011\_gene\_complete\_cds
- 15 d29958\_446-962,mrna\_for\_kiaa0116\_gene\_partial\_cds\_
- d42054\_2354-2828,mrna\_for\_kiaa0092\_gene\_complete\_cds
- d82345\_86-578,mrna\_for\_nb\_thymosin\_beta\_complete\_cds
- d83783\_6249-6579,mrna\_for\_kiaa0192\_gene\_partial\_cds\_
- hg1078-ht1078\_at\_hg1078-ht1078\_lamin-like\_protein
- 20 hg1614-ht1614\_at\_hg1614-ht1614\_protein\_phosphatase\_1\_alpha\_catalytic\_subunit
- hg1733-ht1748\_at\_hg1733-ht1748\_moloney\_murine\_sarcoma\_viral\_oncogene\_homolog\_
- hg3432-ht3621\_at\_hg3432-ht3621\_fibroblast\_growth\_factor\_receptor\_k-sam\_altsplice\_4\_k-sam\_iv
- hg4073-ht4343\_at\_hg4073-ht4343\_cytosolic\_acetoacetyl-coenzyme\_a\_thiolase\_
- hg4155-ht4425\_s\_at\_hg4155-ht4425\_zinc\_finger\_protein\_hzf8
- 25 hg4542-ht4947\_at\_hg4542-ht4947\_ribosomal\_protein\_l10\_
- j05272\_2311-2809,imp\_dehydrogenase\_typemrna\_complete\_cds
- k02574mrna\_817-1363,purine\_nucleoside\_phosphorylase\_(pnp)\_mrna\_complete\_cds\_
- l07592\_2760-3228,peroxisome\_proliferator\_activated\_receptor\_mrna\_complete\_cds\_
- l11285\_957-1509\_homosapiens\_erk\_activator\_kinase\_(mek2)\_mrna\_
- 30 l26339\_4094-4580,autoantigen\_mrna\_complete\_cds
- l35854mrna\_3-75,dystrophin\_(dp140)\_mrna\_5'\_end/gb=l35854\_/ntype=rna\_
- l38487mrna\_1623-2115,estrogen\_receptor-related\_protein\_(herral)\_mrna\_3'\_end\_partial\_cds
- m13955mrna\_904-1450,mesothelial\_keratin\_k7\_(type\_ii)\_mrna\_3'\_end
- m30938mrna#2\_2781-3261,ku\_(p70/p80)\_subunit\_mrna\_complete\_cds\_
- 35 m33518exon\_5570-5900:in\_reversesequence,\_6168-6198,hla-b-
- associated\_transcript(bat2)\_gene\_5'\_flank
- m33764cds\_1158-1350:in\_reversesequence,\_7989-
- 8235,ornithine\_decarboxylase\_gene\_complete\_cds
- m35198\_2073-2589,integrin\_b-6\_mrna\_complete\_cds\_

- m80244\_3401-3869,e16\_mrna,\_complete\_cds  
 m83651\_1947-2451,beta-1,4\_n-acetylgalactosaminyltransferase\_mrna,\_complete\_cds\_  
 u09578\_2012-2456,mapkap\_kinase\_(3pk)\_mrna,\_complete\_cds  
 u23143cds\_1258-1426:in\_reversesequence,\_3604-
- 5** 3844,mitochondrial\_serine\_hydroxymethyltransferase\_gene  
 u33818\_1889-2351,inducible\_poly(a)-binding\_protein\_mrna,\_complete\_cds  
 u50939\_1224-1662,amyloid\_precursor\_protein-binding\_proteinmrna,\_complete\_cds  
 u68105mrna\_2540-2765,poly(a)-binding\_protein\_(pabp)\_gene,\_promoter\_region\_and  
 u78525\_2480-2942,eukaryotic\_translation\_initiation\_factor\_(eif3)\_mrna,\_complete\_cds
- 10** u79254\_693-1113,clone\_23693\_mrna\_sequence  
 u82613\_163-685,dna-binding\_protein\_abp/zf\_mrna,\_complete\_cds\_  
 all\_x15414\_844-1349,mrna\_for\_aldose\_reductase\_(ec\_1.1.1.2)\_  
 x52882cds\_1171-1639:in\_reversesequence,\_1672-1732,t-complex\_polypeptidegene  
 x60489mrna\_381-915,mrna\_for\_elongation\_factor-1-beta\_
- 15** all\_x67698\_228-709,tissue\_specific\_mrna  
 all\_x74570\_1140-1711,mrna\_for\_gal-beta(1-3/1-4)glcnac\_alpha-2.3-sialyltransferase  
 z25749mrna\_98-608,gene\_for\_ribosomal\_protein\_s7\_  
 z34918cds\_1559-2051,mrna\_for\_translation\_initiation\_factor\_eif-4gamma\_(partial)
- 20** Metagene 301
- l13698\_2227-2791,gas1\_gene,\_complete\_cds\_  
 l24203\_2423-2891,ataxia-telangiectasia\_group\_d-associated\_protein\_mrna,\_complete\_cds  
 m18533mrna\_13566-13926,dystrophin\_(dmd)\_mrna,\_complete\_cds
- 25** m24485cds\_109-604:in\_reversesequence,\_3966,(clone\_phgst-pi)\_glutathione\_s-  
 transferase\_pi\_(gstp1)\_gen  
 all\_m98539\_46-209:not\_in\_gb\_record,prostaglandin\_d2\_synthase\_gene\_  
 u03057\_2172-2724,actin\_bundling\_protein\_(hsn)\_mrna,\_complete\_cds\_  
 u33849\_2850-3366,lymphoma\_proprotein\_convertase\_(lpc)\_mrna,\_complete\_cds\_  
**30** u45955\_834-1362,neuronal\_membrane\_glycoprotein\_m6b\_mrna,\_partial\_cds\_  
 all\_x66534\_2622-2953,soluble\_guanylate\_cyclase\_large\_subunit\_mrna  
 all\_x87212\_1273-1772,mrna\_for\_cathepsin\_c  
 x96381mrna\_3518-4028,erm\_gene,\_exon\_2,3,4,5\_(and\_joined\_cds)
- 35** Metagene 54
- l27213cds\_2481-2749:in\_reversesequence,\_2815-  
 3030,anion\_exchange\_protein\_mrna,\_complete\_cds  
 m29874\_2457-2977,cytochrome\_p450-iib\_(hiib1)\_mrna,\_complete\_cds



z36714mrna\_3697-4135,mrna\_for\_cyclin\_f\_

#### Metagene 362

- 5 s74445\_152-662,cellular\_retinoic\_acid-binding\_protein\_[human,\_skin,\_mrna,\_735\_nt]  
u84487\_2776-3238,cx3c\_chemokine\_precursor,\_mrna,\_alternatively\_spliced,\_complete\_cds\_  
x82554mrna\_103-571,sphar\_gene\_for\_cyclin-related\_protein

#### Metagene 111

- 10 d14694\_2143-2455,mrna\_for\_kiaa0024\_gene,\_complete\_cds  
d21261\_957-1305,mrna\_for\_kiaa0120\_gene,\_complete\_cds\_  
d25328\_2086-2536,mrna\_for\_platelet-type\_phosphofructokinase,\_complete\_cds  
d26599\_167-707,mrna\_for\_proteasome\_subunit\_hsc7-i,\_complete\_cds
- 15 d26600\_354-822,mrna\_for\_proteasome\_subunit\_hsn3,\_complete\_cds  
d31890\_1375-1909,mrna\_for\_kiaa0070\_gene,\_partial\_cds\_  
d38521\_5541-5997,mrna\_for\_kiaa0077\_gene,\_partial\_cds\_  
d38550\_3195-3735,mrna\_for\_kiaa0075\_gene,\_partial\_cds\_  
d38583\_109-475,mrna\_for\_calgizzarin,\_complete\_cds
- 20 d43642mrna\_759-1215,yl-1\_mrna\_for\_yl-1\_protein\_(nuclear\_protein\_with\_dna-  
binding\_ability),\_complete\_  
d49489\_1267-1759,mrna\_for\_protein\_disulfide\_isomerase-related\_protein\_p5,\_complete\_cds\_  
d50916\_5465-5999,mrna\_for\_kiaa0126\_gene,\_complete\_cds  
d80009\_3652-4048,mrna\_for\_kiaa0187\_gene,\_complete\_cds
- 25 d80012\_2697-3237,mrna\_for\_kiaa0190\_gene,\_partial\_cds\_  
d86978\_5648-6086,mrna\_for\_kiaa0225\_gene,\_partial\_cds\_  
d87953\_2449-2935,mrna\_for\_rtp,\_complete\_cds  
hg2259-ht2348\_s\_at\_hg2259-ht2348\_tubulin,\_alpha\_1,\_isoform\_44  
hg3494-ht3688\_at\_hg3494-ht3688\_nuclear\_factor\_nf-il6\_
- 30 hg4541-ht4946\_s\_at\_hg4541-ht4946\_transformation-related\_protein  
j03827\_970-1438,\_y\_box\_binding\_protein-1\_(yb-1)\_mrna  
l08246\_3333-3819,myeloid\_cell\_differentiation\_protein\_(mcl1)\_mrna  
l17131mrna#1\_1646-2198,high\_mobility\_group\_protein\_(hmg-i(y))\_gene\_exons\_1-8,\_complete\_cds  
l19871\_1361-1793,activating\_transcription\_factor(atf3)\_mrna,\_complete\_cds\_
- 35 l20298\_2250-2790,transcription\_factor\_(cbfb)\_mrna,\_3'\_end\_  
l39059mrna\_3327-3831,transcription\_factor\_sl1\_mrna,\_complete\_cds  
l77886\_5390-5696,protein\_tyrosine\_phosphatase\_mrna,\_complete\_cds\_  
m14328mrna\_1144-1704,alpha\_enolase\_mrna,\_complete\_cds  
m23254\_2672-3164,ca2-activated\_neutral\_protease\_large\_subunit\_(canp)\_mrna,\_complete\_cds

- m31303mrna\_933-1407,oncoprotein(op18)\_gene,\_complete\_cds  
 m37721\_3297-3705,peptidylglycine\_alpha-amidating\_monooxygenase\_mrna,\_complete\_cds  
 m69066\_3272-3824,moesin\_mrna,\_complete\_cds\_  
 m83088\_1722-2271,phosphoglucosyltransferase(pgm1)\_mrna,\_complete\_cds  
**5** u24105\_4121-4355,coatamer\_protein\_(hepcop)\_mrna,\_complete\_cds  
 u26173\_1295-1775,bzip\_protein\_nf-il3a\_(il3bp1)\_mrna,\_complete\_cds  
 u28368\_841-1249,id-related\_helix-loop-helix\_protein\_id4\_mrna,\_complete\_cds\_  
 u46692mrna\_84-480,cystatin\_b\_gene,\_complete\_cds\_  
 u51711\_at\_u51711\_u51711,not\_in\_gb\_record,desmocollin-2\_mrna,\_3' utr\_  
**10** u58334\_3933-4485,bcl2\_p53\_binding\_protein\_bbp/53bp2\_(bbp/53bp2)\_mrna,\_complete\_cds  
 u90651\_1122-1576,embryonic\_ectoderm\_development\_protein\_homolog\_(eed)\_mrna,\_partial\_cds  
 all\_v00572\_1364-1731,mrna\_encoding\_phosphoglycerate\_kinase\_  
 all\_x07834\_515-1026,mrna\_for\_manganese\_superoxide\_dismutase\_(ec\_1.15.1.1)  
 x53416cds\_7595-7889:in\_reversesequence,\_8097-8319,mrna\_for\_actin-  
**15** binding\_protein\_(filamin)\_(abp-280)  
 all\_x54941\_194-687,ckshs1\_mrna\_for\_cks1\_protein\_homologue  
 all\_x54942\_31-572,ckshs2\_mrna\_for\_cks1\_protein\_homologue\_  
 all\_x76534\_2145-2614,nmb\_mrna  
 x86018cds\_1630-1822:in\_reversesequence,\_1834-2062,mrna\_for\_mufl\_protein  
**20**  
 Metagene 431  
  
 y08374mrna#1\_1414-1882,\_gp-  
 39\_cartilage\_protein\_gene\_extracted\_fromgene\_encoding\_cartilage\_gp-39\_pro  
**25**  
 Metagene 157  
  
 af008445\_895-1387,phospholipid\_scramblase\_mrna,\_complete\_cds/gb=af008445\_/ntype=rna\_  
 d29640\_5767-6325,mrna\_for\_kiaa0051\_gene,\_complete\_cds  
**30** j04088\_4377-4587,dna\_topoisomerase\_ii\_(top2)\_mrna,\_complete\_cds  
 l11239exon\_358-802,homeobox\_protein\_(hox)\_gene,\_3'\_end  
 l32179mrna\_1028-1556,arylacetamide\_deacetylase\_mrna,\_complete\_cds  
 m21551mrna\_158-590,neuromedin\_b\_mrna,\_complete\_cds  
 m24069mrna\_1401-1543,dna-binding\_protein\_a\_(dbpa)\_gene,\_3'\_end\_  
**35** m26311\_27-504,cystic\_fibrosis\_antigen\_mrna,\_complete\_cds.  
 all\_m36200\_67-428:in\_m36200cds\_194-339,synaptobrevin(syb1)\_gene  
 m36634\_1340-1450,vasoactive\_intestinal\_peptide\_(vip)\_mrna,\_complete\_cds  
 all\_x04741\_413-924,mrna\_for\_protein\_gene\_product\_(pgp)\_9.5\_  
 y09267\_1148-1664,mrna\_for\_flavin-containing\_monooxygenase/gb=y09267\_/ntype=rna

## Metagene 352

- ac000115cds#1\_546-684:in\_reversesequence,\_35138-
- 5 35366,\_wugsc:h\_gsl88p18.1a\_gene\_extracted\_frombac\_cl  
d31887\_4050-4512,mrna\_for\_kiaa0062\_gene,\_partial\_cds\_  
d79992\_6597-6897,mrna\_for\_kiaa0170\_gene,\_complete\_cds\_  
d79994\_4227-4749,mrna\_for\_kiaa0172\_gene,\_partial\_cds\_  
106419\_2544-3066,lysyl\_hydroxylase\_(plod)\_mrna,\_complete\_cds
- 10 113391exon#5\_265-808,helix-loop-helix\_basic\_phosphoprotein\_(g0s8)\_gene,\_complete\_cds\_  
119493exon\_1931-2064,fnr1\_gene,\_3'\_end\_  
m11313mrna\_3966-4522,alpha-2-macroglobulin\_mrna,\_complete\_cds  
m86699\_3355-3787,kinase\_(tkk)\_mrna,\_complete\_cds\_  
s56151\_672-1186,\_hmfg=milk\_fat\_globule\_protein\_[human,\_mrna\_partial,\_1270\_nt]  
15 s69231\_1444-1981,\_tyrp2=tyrosinase-related-protein-2\_[human,\_melanocytic\_cell\_line\_sk-mel-  
19,\_mrna,\_  
u07919\_2973-3399,aldehyde\_dehydrogenasemrna,\_complete\_cds\_  
u20391mrna#1\_720-1080,folate\_receptor\_(folr1)\_gene,\_complete\_cds  
u26727\_512-938,p16ink4/mtsl\_mrna,\_complete\_cds\_  
20 u38847\_4574-5000,tar\_rna\_loop\_binding\_protein\_(trp-185)\_mrna,\_complete\_cds\_  
u58516\_1860-1893,breast\_epithelial\_antigen\_ba46\_mrna,\_complete\_cds\_  
u66075\_2349-2793,transcription\_factor\_hgata-6\_mrna,\_complete\_cds.  
u72621\_2581-3145,lot1\_mrna,\_complete\_cds\_  
u78313\_963-1515,myogenic\_repressor\_i-mf\_(mdfi)\_mrna,\_complete\_cds
- 25 u85193\_1817-2399,nuclear\_factor\_i-b2\_(nfib2)\_mrna,\_complete\_cds  
all\_x16354\_2895-3400,mrna\_for\_transmembrane\_carcinoembryonic\_antigen\_bgpa\_(formerly\_tml-  
cea)\_  
all\_x81420\_1150-1601,mrna\_for\_hhkb1\_protein  
all\_x87241\_14353-14738,mrna\_for\_hfat\_protein\_  
30 all\_y07909\_2383-2774,mrna\_for\_progression\_associated\_protein\_  
z75190cds\_1747-2070:in\_reversesequence,\_2087-2276,mrna\_for\_apolipoprotein\_e\_receptor\_2

## Metagene 131

- 35 112723\_1781-2360,heat\_shock\_protein\_70\_(hsp70)\_mrna,\_complete\_cds  
114922\_4053-4395,dna-binding\_protein\_(po-ga)\_mrna,\_complete\_cds\_  
l38932mrna\_1076-1466,gt197\_partial\_orf\_mrna,\_3'\_end\_of\_cds  
m27891exon\_13-58:in\_reversesequence,\_145-370:not\_in\_gb\_record,cystatin\_c\_(cst3)\_gene\_  
m81057\_749-1223,procarboxypeptidase\_b\_mrna,\_complete\_cds\_

s69272\_853-

1403,\_cytoplasmic\_antiproteinase=38\_kda\_intracellular\_serine\_proteinase\_inhibitor\_[human,

u14603\_937-1483,protein-tyrosine\_phosphatase\_(hu-pp-1)\_mrna,\_partial\_sequence

u46689\_3317-3863,microsomal\_aldehyde\_dehydrogenase\_(ald10)\_mrna,\_complete\_cds

5 u84388\_905-1055,death\_domain\_containing\_protein\_cradd\_mrna,\_complete\_cds\_

all\_x65724\_1307-1746,dna\_for\_orf1\_and\_orf2\_from\_chromosome\_x\_

x84002cds\_210-456:in\_reversesequence,\_706-862,tafi20\_mrna\_for\_transcription\_factor\_tfiid\_

z19585cds\_2522-2858:in\_reversesequence,\_2909-2939,mrna\_for\_thrombospondin-4\_

z49878cds\_367-565:in\_reversesequence,\_734-968,mrna\_for\_guanidinoacetate\_n-methyltransferase\_

10 z84718mrna#1\_424-982,dna\_sequence\_from\_bac\_322b1\_on\_chromosome\_22q11.2-

qter\_contains\_gstt1,\_gstt2\_g1

Metagene 368

15 d87447\_5712-6258,mrna\_for\_kiaa0258\_gene,\_complete\_cds

all\_j03589\_2962-3443,ubiquitin-like\_protein\_(gdx)\_gene,\_complete\_cds\_

118960\_679-1177,protein\_synthesis\_factor\_(eif-4c)\_mrna,\_complete\_cds\_

m60784mrna\_595-950:in\_reversesequence,\_701-886,u1\_snrnp-specific\_protein\_a\_gene\_

m68864\_598-1078,orf\_mrna,\_complete\_cds\_

20 m74002\_2243-2681,arginine-rich\_nuclear\_protein\_mrna,\_complete\_cds

u09510\_1878-2425,glycyl-trna\_synthetase\_mrna,\_complete\_cds\_

u12387\_1468-1722,thiopurine\_methyltransferase\_(tpmt)\_mrna,\_complete\_cds

u33821\_1229-1661,tax1-binding\_protein\_txbp151\_mrna,\_complete\_cds\_

u41163exon#9\_36-266:in\_reversesequence,\_2625-

25 2862:not\_in\_gb\_record,creatine\_transporter\_(slc6a10)\_ge

u52111mrna#4\_1182-

1671,xq28\_genomic\_dna\_in\_the\_region\_of\_the\_ald\_locus\_containing\_the\_genes\_for\_crea

u59309\_1200-

1710,fumarase\_precursor\_(fh)\_mrna,\_nuclear\_gene\_encoding\_mitochondrial\_protein,\_complete

30 u90716\_1825-2299,cell\_surface\_protein\_hcar\_mrna,\_complete\_cds

all\_x51521\_2653-3026,mrna\_for\_ezrin

x87237cds\_2133-2487:in\_reversesequence,\_2661-2787,mrna\_for\_processing\_a-glucosidase\_i\_

all\_x98296\_7705-8096,mrna\_for\_ubiquitin\_hydrolase

z49099mrna\_1011-1521,mrna\_for\_spermine\_synthase

35

Metagene 198

d37965\_913-1393,mrna\_for\_pdgf\_receptor\_beta-like\_tumor\_suppressor\_(prlts),\_complete\_cds

d42047\_3472-3970,mrna\_for\_kiaa0089\_gene,\_partial\_cds\_

- d78134\_727-1261,mrna\_for\_glycine-rich\_rna\_binding\_protein\_cirp,\_complete\_cds\_  
d87434\_4737-5295,mrna\_for\_kiaa0247\_gene,\_complete\_cds  
hg2238-ht2321\_s\_at\_hg2238-ht2321\_nuclear\_mitotic\_apparatus\_protein\_1,\_altsplice\_form\_2\_  
hg2815-ht2931\_at\_hg2815-ht2931\_myosin\_light\_chain\_alkali\_smooth\_muscle,\_non-  
**5** muscle,\_altsplice\_2\_  
hg2815-ht4023\_s\_at\_hg2815-  
ht4023\_myosin\_light\_chain\_alkali\_smooth\_muscle\_smooth\_muscle,\_altsplic  
hg4679-ht5104\_at\_hg4679-ht5104\_oncogene\_ret/ptc\_fusion\_activated  
hg651-ht4201\_at\_hg651-ht4201\_adducin\_alpha\_subunit\_altsplice\_2\_  
**10** l27560mrna\_986-1262,insulin-like\_growth\_factor\_binding\_protein(igfbp5)\_mrna\_  
l78132\_3279-3789,prostate\_carcinoma\_tumor\_antigen\_(pcta-1)\_mrna,\_complete\_cds  
m14648\_5128-  
5692,cell\_adhesion\_protein\_(vitronectin)\_receptor\_alpha\_subunit\_mrna,\_complete\_cds\_  
m16447\_997-1489,dihydropteridine\_reductase\_(hdhpr)\_mrna,\_complete\_cds  
**15** m60483mrna\_1636-2107,\_protein\_phosphatase-2a\_catalytic\_subunit-  
alpha\_gene\_extracted\_fromprotein\_phos  
u12778\_2243-2621,acyl-coa\_dehydrogenase\_mrna,\_complete\_cds\_  
u20362\_2270-2792,tg737\_mrna,\_complete\_cds  
u37690\_31-355,rna\_polymerase\_ii\_subunit\_(hsrpb10)\_mrna,\_complete\_cds\_  
**20** u40282\_1205-1706,integrin-linked\_kinase\_(ilk)\_mrna,\_complete\_cds\_  
x59834mrna\_2120-2690,rearranged\_mrna\_for\_glutamine\_synthase  
x62654mrna\_314-788,\_me491\_gene\_extracted\_fromgene\_for\_me491/cd63\_antigen  
x69908mrna\_151-  
721,\_p2\_gene\_for\_c\_subunit\_of\_mitochondrial\_atp\_synthase\_gene\_extracted\_fromgene\_for\_  
**25** all\_x75861\_1977-2566,tegt\_gene\_  
y00097cds\_1757-1982:in\_reversesequence,\_2114-2324,mrna\_for\_protein\_p68  
all\_z47087\_1065-1438,mrna\_for\_rna\_polymerase\_ii\_elongation\_factor-like\_protein\_  
  
Metagene 409  
**30**  
d50683\_5296-5680,mrna\_for\_tgf-beta1ir\_alpha,\_complete\_cds  
d59253\_306-618,mrna\_for\_ncbp\_interacting\_protein\_1,\_complete\_cds\_  
d79990\_5065-5383,mrna\_for\_kiaa0168\_gene,\_complete\_cds  
d86961\_3678-4188,mrna\_for\_kiaa0206\_gene,\_partial\_cds\_  
**35** d87465\_4793-5243,mrna\_for\_kiaa0275\_gene,\_complete\_cds  
j04162mrna\_1406-1940,leukocyte\_igg\_receptor\_(fc-gamma-r)\_mrna,\_complete\_cds  
m14636\_2317-2665,liver\_glycogen\_phosphorylase\_mrna,\_complete\_cds\_  
m31153exon\_34-232:in\_reversesequence,\_280-484:not\_in\_gb\_record,steroid\_17-alpha-  
hydroxylase\_gene\_

- m59465\_3867-4341,tumor\_necrosis\_factor\_alpha\_inducible\_protein\_a20\_mrna\_complete\_cds  
m59964\_816-1380,stem\_cell\_factor\_mrna\_complete\_cds  
m59979\_2109-2511,prostaglandin\_endoperoxide\_synthase\_mrna\_complete\_cds  
m77016\_2106-2622,tropomodulin\_mrna\_complete\_cds\_
- 5** s50223\_197-773,\_hkr-t1=kruppel-like\_zinc\_finger\_protein\_[human,\_moltt-cells,\_mrna,\_798\_nt]\_  
s72869\_2415-2955,\_h4(d10s170)=putative\_cytoskeletal\_protein\_[human,\_thyroid,\_mrna,\_3011\_nt]\_  
u09284\_693-1173,pinch\_protein\_mrna\_complete\_cds\_  
u11732\_997-1531,ets-like\_gene\_(tel)\_mrna\_complete\_cds\_  
u17760mrna\_3684-4158,laminin\_s\_b3\_chain\_(lamb3)\_gene
- 10** u28014\_1086-1233,cysteine\_protease\_(icerel-ii)\_mrna\_complete\_cds  
u32849\_867-1383,hou\_mrna\_complete\_cds\_  
u37359\_1964-2414,mrell\_homolog\_hmrell\_mrna\_complete\_cds\_  
u60800\_3638-4010,semaphorin\_(cd100)\_mrna\_complete\_cds\_  
u63824\_1129-1645,transcription\_factor\_rtef-1\_(rtef1)\_mrna\_complete\_cds
- 15** u68135\_7-204,scc-  
slc\_mrna\_expressed\_in\_metastatic\_and\_relatively\_radioresistant\_squamous\_cell\_carcin  
u76638\_1947-2505,brca1-associated\_ring\_domain\_protein\_(bard1)\_mrna\_complete\_cds\_  
all\_x07109\_2732-3303,mrna\_for\_protein\_kinase\_c\_(pkc)\_type\_beta\_ii  
x54870mrna\_1162-1702,mrna\_for\_nkg2-d\_gene
- 20** x65965exon#1-2\_32-94,sod-  
2\_gene\_for\_manganese\_superoxide\_dismutase/gb=x65965\_/ntype=dna\_/annot=exon  
all\_x66079\_925-1400,spi-b\_mrna\_  
all\_x66533\_1884-2365,soluble\_guanylate\_cyclase\_small\_subunit\_mrna  
x69819cds\_1122-1620:in\_reversesequence,\_1640-1700,icam-3\_mrna\_
- 25** x99050mrna\_3041-3461,\_orf\_gene\_extracted\_frommrna\_for\_63\_kda\_protein  
z25521cds\_526-884:in\_reversesequence,\_1068-  
1179,integrin\_associated\_protein\_mrna\_complete\_cds,.
- Metagene 353
- 30** d14520\_718-1258,mrna\_for\_gc-box\_binding\_protein\_bteb2\_complete\_cds  
d90097cds\_983-1499,amy2b\_gene\_for\_alpha-amylase  
l33798\_5571-6129,dihydropyridine-sensitive\_l-type\_calcium\_channel\_alpha-  
1\_subunit\_(cacn11a3)\_mrna\_c
- 35** m12959\_1035-1486,t-cell\_receptor\_active\_alpha-chain\_mrna\_from\_jm\_cell\_line\_complete\_cds\_  
m16750\_1699-2210,pim-1\_oncogene\_mrna\_complete\_cds\_  
m32334cds\_461-737:in\_reversesequence,\_186-348,intercellular\_adhesion\_molecule(icam-2)\_gene\_  
m37766\_475-955,mem-102\_glycoprotein\_mrna\_complete\_cds\_  
m81695\_4051-4597,leukocyte\_adhesion\_glycoprotein\_p150,95\_mrna\_complete\_cds

- u48959\_5397-5793,myosin\_light\_chain\_kinase\_(mlck)\_mrna,\_complete\_cds\_  
u82979\_785-1371,immunoglobulin-like\_transcript-3\_mrna,\_complete\_cds  
u91903\_1323-1815,fritz\_mrna,\_complete\_cds  
all\_x00437\_966-1143,mrna\_for\_t-cell\_specific\_protein\_  
**5** x02910exon#4\_604-1132,gene\_for\_tumor\_necrosis\_factor\_(tnf-alpha)\_  
all\_x63629\_2582-3126,mrna\_for\_p\_cadherin\_  
all\_x74039\_805-1058,mrna\_for\_urokinase\_plasminogen\_activator\_receptor  
all\_x76383\_376-821,mrna\_for\_he3(alpha)\_  
z35278mrna\_3328-3760,pebp2ac1\_acute\_myeloid\_leukaemia\_mrna\_  
**10**  
Metagene 379  
d85425\_758-1328,mrna\_for\_transactivator\_hsm-1,\_complete\_cds  
d86977\_3721-4141,mrna\_for\_kiaa0224\_gene,\_complete\_cds  
**15** all\_d88422\_230-483:in\_d88422cds\_13-188,dna\_for\_cystatin\_a\_  
hg2743-ht2845\_at\_hg2743-ht2845\_caldesmon\_1,\_altsplice\_3,\_non-muscle  
hg2743-ht2846\_s\_at\_hg2743-ht2846\_caldesmon\_1,\_altsplice\_4,\_non-muscle  
hg4068-ht4338\_at\_hg4068-ht4338\_phosphoprotein\_tal2\_  
122524cds\_462-734:in\_reversesequence,\_46-197,matrilysin\_gene  
**20** all\_m13792\_34370-  
35897:in\_m13792cds\_995:not\_in\_gb\_record,adenosine\_deaminase\_(ada)\_gene,\_complete\_cd  
m16038\_1817-2255,lyn\_mrna\_encoding\_a\_tyrosine\_kinase\_  
m36284mrna\_315-852,glycophorin\_c\_mrna,\_complete\_cds  
all\_m37485\_1008-1230,\_igh@\_gene\_(ig\_dxp\_heavy-chain\_gene)\_extracted\_fromig\_germline\_h-  
**25** chain\_d-region  
m77349\_2102-2642,transforming\_growth\_factor-  
beta\_induced\_gene\_product\_(bigh3)\_mrna,\_complete\_cds\_  
all\_m83216\_3388-3584,aorta\_caldesmon\_mrna,\_complete\_cds  
u03688\_4501-5047,dioxin-inducible\_cytochrome\_p450\_(cyp1b1)\_mrna,\_complete\_cds  
**30** u04313\_1983-2523,maspin\_mrna,\_complete\_cds\_  
u17077\_1716-2190,bene\_mrna,\_partial\_cds  
u20240\_448-898,c/ebp\_gamma\_mrna,\_complete\_cds  
u27185\_263-791,rar-responsive\_(tig1)\_mrna,\_complete\_cds  
u31201mrna\_4592-  
**35** 5106,laminin\_gamma2\_chain\_gene\_(lamc2),laminin\_gamma2\_chain\_gene\_(lamc2)\_  
u75968\_3641-4139,clone\_c3\_chl1\_protein\_(chlrl)\_mrna,\_alternatively\_spliced,\_complete\_cds\_  
u90905\_452-992,clone\_23574\_mrna\_sequence\_  
u90908\_1268-1784,clones\_23549\_and\_23762\_mrna,\_complete\_cds\_

- all\_x04011\_3678-4255,mrna\_of\_x-  
 cgd\_gene\_involved\_in\_chronic\_granulomatous\_disease\_located\_on\_chromos  
 x04470cds\_24-374:in\_reversesequence,\_408-  
 495,mrna\_for\_antileukoprotease\_(alp)\_from\_cervix\_uterus
- 5 all\_x16662\_1399-1916,mrna\_for\_vascular\_anticoagulant-beta\_(vac-beta)\_  
 all\_x56692\_1122-1585,mrna\_for\_c-reactive\_protein\_  
 x95325mrna\_783-1250,mrna\_for\_dna\_binding\_protein\_a\_variant\_
- Metagene 303
- 10 d43682\_1584-2115,mrna\_for\_very-long-chain\_acyl-coa\_dehydrogenase\_(vlcad),\_complete\_cds\_  
 j05633\_2714-3008,integrin\_beta-5\_subunit\_mrna,\_complete\_cds  
 107615mrna\_2289-2727,neuropeptide\_y\_receptor\_y1\_(npyy1)\_mrna,\_exon\_3-  
 feb\_and\_complete\_cds/gb=107615\_
- 15 107807\_2600-3147,dynamin\_mrna,\_alternative\_exons\_and\_complete\_cds  
 127841\_6012-6498,autoantigen\_pericentriol\_material(pcm-1)\_mrna,\_complete\_cds  
 m15182mrna\_1686-2106,beta-glucuronidase\_mrna,\_complete\_cds\_  
 m19309mrna\_382-939,slow\_skeletal\_muscle\_troponin\_t\_mrna,\_clone\_h22h  
 m29877mrna\_1434-1932,alpha-l-fucosidase,\_complete\_cds
- 20 m36205cds\_73-319:in\_reversesequence,\_26-56:not\_in\_gb\_record,synaptobrevin(syb2)\_gene  
 m62403\_1343-1924,insulin-like\_growth\_factor\_binding\_protein(igfbp4)\_mrna,\_complete\_cds  
 m74715\_1574-2080,alpha-l-iduronidas\_(idua)\_mrna,\_complete\_cds  
 m97815exon#3\_21-405,retinoic\_acid-binding\_protein\_ii\_(crabp-ii)\_gene\_  
 s80437\_1601-
- 25 2185,\_fatty\_acid\_synthase\_{3' region}\_[human,\_breast\_and\_hepg2\_cells,\_mrna\_partial,\_2237  
 s81914\_760-1180,\_iex-1=radiation-inducible\_immediate-  
 early\_gene\_[human,\_placenta,\_mrna\_partial,\_1223  
 u26726\_1548-1842,11-beta-hydroxysteroid\_dehydrogenase\_typermrna,\_complete\_cds  
 u28369\_2474-2894,semaphorin\_v\_mrna,\_complete\_cds\_
- 30 u49278\_2752-3262,putative\_dna-binding\_protein\_mrna,\_partial\_cds  
 u53225\_1409-1949,sorting\_nexin(snx1)\_mrna,\_complete\_cds\_  
 all\_u57316\_1593-1996,gcn5\_(hgc5)\_gene,\_complete\_cds\_  
 u72066\_2672-3212,ctbp\_interacting\_protein\_ctip\_(ctip)\_mrna,\_complete\_cds\_  
 x13238cds\_19-199:in\_reversesequence,\_272-386,mrna\_for\_cytochrome\_c\_oxidase\_subunit\_vic
- 35 x54232mrna\_3259-3643,mrna\_for\_heparan\_sulfate\_proteoglycan\_(glypican)  
 x57129cds\_373-583:in\_reversesequence,\_1216-1366,h1.2\_gene\_for\_histone\_h1  
 all\_x82456\_3287-3834,mln50\_mrna  
 y00503cds\_799-1165:in\_reversesequence,\_1221-1227,mrna\_for\_keratin\_19  
 all\_z68228\_2878-3328,mrna\_for\_plakoglobin



## Metagene 176

- j04027\_4061-4343,plasma\_membrane\_ca2+\_pumping\_atpase\_mrna,\_complete\_cds
- 5 m11119mrna\_722-1011,endogenous\_retrovirus\_envelope\_region\_mrna\_(p11)\_  
u29656\_247-751,dr-nm23\_mrna,\_complete\_cds
- u48251\_2308-2651:not\_in\_gb\_record,protein\_kinase\_c-binding\_protein\_rack7\_mrna,\_partial\_cds
- u68019\_1774-2218,mad\_protein\_homolog\_(hmad-3)\_mrna,\_complete\_cds\_
- u77604\_13-493,microsomal\_glutathione\_s-transferase\_(gst-ii)\_mrna,\_complete\_cds\_
- 10 u96922\_2336-2822,inositol\_polyphosphate\_4-phosphatase\_type\_ii-  
alpha\_mrna,\_complete\_cds/gb=u96922\_/nt
- x70940cds\_1130-1298:in\_reversesequence,\_1591-1722,mrna\_for\_elongation\_factoralpha-2\_
- x71973cds\_200-530:in\_reversesequence,\_658-808,gpx-  
4\_mrna\_for\_phospholipid\_hydroperoxide\_glutathione\_
- 15 y07827cds\_785-972,mrna\_for\_putb7,3\_molecule\_of\_cd80-cd60\_protein\_family

## Metagene 212

- d43968\_6790-7222,aml1\_mrna\_for\_aml1b\_protein\_(alternatively\_spliced\_product),\_complete\_cds\_
- 20 d50477\_1507-2066,mrna\_for\_membrane-type\_matrix\_metalloproteinase\_3,\_complete\_cds\_
- l13286\_2671-3205,mitochondrial\_1,25-dihydroxyvitamin\_d3\_24-hydroxylase\_mrna,\_complete\_cds
- m68516mrna\_1662-  
2172,\_pci\_gene\_(plasminogen\_activator\_inhibitor\_3)\_extracted\_fromprotein\_c\_inhibitor
- u72649\_2206-2584,btg2\_(btg2)\_mrna,\_complete\_cds
- 25 x17059cds\_522-840:in\_reversesequence,\_1331-1418,nat1\_gene\_for\_arylamine\_n-acetyltransferase\_
- x81889cds\_3255-3561:in\_reversesequence,\_3774-3786,mrna\_for\_p0071\_protein

## Metagene 221

- 30 hg1763-ht1780\_s\_at\_hg1763-ht1780\_prolactin-induced\_protein\_
- l19778\_1871-2207,histone\_(h2a.1b)\_mrna,\_complete\_cds
- m35851cds\_2287-2708:in\_reversesequence,\_200-266,androgen\_receptor\_gene

## Metagene 86

- 35 d12485\_2904-3444,mrna\_for\_nucleotide\_pyrophosphatase,\_complete\_cds\_
- d42123\_655-1135,mrna\_for\_esp1/crp2,\_complete\_cds\_
- d63479\_5529-6079,mrna\_for\_kiaa0145\_gene,\_complete\_cds
- m16938\_1154-1659,homeo\_box\_c8\_protein,\_mrna,\_complete\_cds

- m59815mrna\_5022-5424,complement\_component\_c4a\_gene\_  
m63167\_2039-2429,rac\_protein\_kinase\_alpha\_mrna,\_complete\_cds\_  
u24266\_2533-3103,pyrroline-5-  
carboxylate\_dehydrogenase\_(p5cdh)\_mrna,\_long\_form,\_complete\_cds\_  
**5** u33147\_43-463,mammaglobin\_mrna,\_complete\_cds\_  
u68142\_1372-1900,ralgds-like(rgl2)\_mrna,\_partial\_cds  
u83411\_1505-2039,carboxypeptidase\_z\_precursor,\_mrna,\_complete\_cds.  
u94592\_1287-1809,uncoupling\_protein\_homolog\_(ucph)\_mrna,\_complete\_cds  
all\_x78706\_1878-2443,mrna\_for\_carnitine\_acetyltransferase
- 10** Metagene 488
- reverse\_ac002076\_127531-127606,\_wugsc:gs345d13.2\_gene\_(g-protein\_gamma-  
1\_subunit)\_extracted\_frombac\_  
**15** d13637\_2062-2566,mrna\_for\_kiaa0012\_gene,\_complete\_cds  
d28915cds\_1002-1272:in\_reversesequence,\_114-186,gene\_for\_hepatitis\_c-  
associated\_microtubular\_aggrega  
hg2705-ht2801\_s\_at\_hg2705-ht2801\_serine/threonine\_kinase\_  
k02765\_4466-4916,complement\_component\_c3\_mrna,\_alpha\_and\_beta\_subunits,\_complete\_cds\_  
**20** 106175\_1924-2482,p5-1\_mrna,\_complete\_cds  
112535\_1641-2151,rsu-1/rsp-1\_mrna,\_complete\_cds  
m11147mrna\_251-689,ferritin\_1\_chain\_mrna,\_complete\_cds\_  
m13699mrna\_2810-3278,ceruloplasmin\_(ferroxidase)\_mrna,\_complete\_cds  
m30818mrna\_2384-2888,interferon-  
**25** induced\_cellular\_resistance\_mediator\_protein\_(mxb)\_mrna,\_complete\_cd  
m33195\_13-457,fc-epsilon-receptor\_gamma-chain\_mrna,\_complete\_cds\_  
m37435\_3368-3914,macrophage-specific\_colony-stimulating\_factor\_(csf-1)\_mrna,\_complete\_cds  
m55542mrna\_2310-2802,guanylate\_binding\_protein\_isoform\_i\_(gbp-2)\_mrna,\_complete\_cds  
m68874\_2293-2779,phosphatidylcholine\_2-acylhydrolase\_(cpla2)\_mrna,\_complete\_cds  
**30** m81750mrna\_1132-1645,myeloid\_cell\_nuclear\_differentiation\_antigen\_mrna,\_complete\_cds\_  
u52101\_61-451,ymp\_mrna,\_complete\_cds\_  
all\_x02530\_571-1118,mrna\_for\_gamma-  
interferon\_inducible\_early\_response\_gene\_(with\_homology\_to\_platel  
all\_x99886\_601-2202:in\_x99886cds\_96-127,mcp-2\_gene  
**35** all\_z83735\_344-817,hh3/k\_gene

Metagene 144

ab006782\_1392-1672,mrna\_for\_galectin-9\_isoform,\_complete\_cds/gb=ab006782\_/ntype=rna\_

- d32129\_920-1425,mrna\_for\_hla-i\_(hla-a26)\_heavy\_chain,\_complete\_cds\_(clone\_cmiy-1)  
 all\_d49824\_945-978,hla-b\_null\_allele\_mrna,hla-b\_null\_allele\_mrna  
 hg2915-ht3059\_f\_at\_hg2915-ht3059\_major\_histocompatibility\_complex,\_i\_e  
 hg2917-ht3061\_f\_at\_hg2917-ht3061\_major\_histocompatibility\_complex,\_i\_e  
**5** hg3597-ht3800\_f\_at\_hg3597-ht3800\_major\_histocompatibility\_complex,\_i\_e  
 hg658-ht658\_f\_at\_hg658-ht658\_major\_histocompatibility\_complex,\_i\_c  
 j00105\_24-520,beta-2\_microglobulin\_gene\_mrna,\_3'\_end\_  
 j04080mrna\_2136-2604,complement\_component\_clr\_mrna,\_complete\_cds\_  
 m13690mrna\_1190-1739,plasma\_protease\_(cl)\_inhibitor\_mrna,\_complete\_cds\_  
**10** m14058\_1982-2438,complement\_clr\_mrna,\_complete\_cds\_  
 m58286\_1533-2054,tumor\_necrosis\_factor\_receptor\_mrna,\_complete\_cds  
 m63838\_2097-2643,interferon-gamma\_induced\_protein\_(ifi\_16)\_gene,\_complete\_cds  
 m64099\_1873-2371,gamma-glutmyl\_transpeptidase-related\_protein\_(ggc-rel)\_mrna,\_complete\_cds\_  
 m92357\_3609-4131,b94\_protein\_mrna,\_complete\_cds\_  
**15** m94880\_f\_at\_m94880\_m94880\_4040\_in\_m94880\_515-1055,mhc\_i\_(hla-a\*8001)\_mrna  
 m97935\_3412-3886,transcription\_factor\_isgf-3\_mrna\_sequence\_  
 u49020mrna#1\_4711-5228,\_mef2a\_gene\_(myocyte-specific\_enhancer\_factor\_2a,\_c9\_form)\_extracted\_frommyoc  
 u70451\_2097-  
**20** 2607,myleoid\_differentiation\_primary\_response\_protein\_myd88\_mrna,\_complete\_cds.  
 all\_x07696\_1300-1685,mrna\_for\_cytokeratin\_15\_  
 x12451mrna\_974-1496,mrna\_for\_pro-cathepsin\_1\_(major\_excreted\_protein\_mep)\_  
 x53587mrna\_5160-5688,mrna\_for\_integrin\_beta\_4  
 all\_x82200\_2236-2801,staf50\_mrna\_  
**25** x83416exon\_1688-2160,prp\_gene,\_exon\_2  
 all\_z19554\_1243-1734,vimentin\_gene\_

## Metagene 288

- 30** 107919\_1386-1779,homeodomain\_protein\_dlx-2\_mrna,\_3'\_end  
 u17032\_4391-4961,p190-b\_(p190-b)\_mrna,\_complete\_cds

## Metagene 454

- 35** all\_102326\_2-320,(clone\_hu\_lambda-17)\_lambda-like\_gene,\_complete\_cds  
 all\_m34516\_426-  
 469,omega\_light\_chain\_protein\_14.1\_(ig\_lambda\_chain\_related)\_gene,omega\_light\_chain\_p  
 all\_m34516\_426-  
 469,omega\_light\_chain\_protein\_14.1\_(ig\_lambda\_chain\_related)\_gene,omega\_light\_chain\_p

- m63438\_794-1195,ig\_rearranged\_gamma\_chain\_mrna\_v-j-c\_region\_and\_complete\_cds  
 m87789\_1021-1512,(hybridoma\_h210)\_anti-  
 hepatitis\_a\_igg\_variable\_region\_constant\_region\_complementa  
 v00563mrna\_19-127,gene\_for\_immunoglobulin\_mu\_part\_of\_exon\_8.
- 5** x53961cds\_1772-2060:in\_reversesequence,\_2450-2564,mrna\_for\_lactoferrin  
 x57809mrna\_309-  
 449,rearranged\_immunoglobulin\_lambda\_light\_chain\_mrna,rearranged\_immunoglobulin\_lambd
- Metagene 68
- 10** d63875\_3762-4200,mrna\_for\_kiaa0155\_gene,\_complete\_cds  
 d87002cds#2\_4-201:not\_in\_gb\_record,\_pom121-  
 likegene\_extracted\_from(lambda)\_dna\_for\_immunoglobulin\_ligh  
 all\_j00277\_3607-3724,(genomic\_clones\_lambda-[sk2-t2,\_hs578t];\_cdna\_clones\_rs-[3,4,\_6])\_c-ha-
- 15** ras1\_pro  
 j04810\_2923-3414,msh3\_gene,\_complete\_cds\_  
 m13232mrna\_1850-2405,factor\_vii\_serine\_protease\_precursor\_mrna,\_complete\_cds,\_clone\_lambda-  
 hvii2463  
 m34376mrna\_2-238,(clone\_lambda\_msp131)\_beta-microseminoprotein\_(msp)\_gene\_  
**20** all\_m76732\_736-1273,hox7\_gene  
 s67325\_1328-  
 1712,\_propionyl\_coa\_carboxylase\_beta\_subunit\_[human,\_liver,\_placenta,\_hl1008,\_mrna,\_1791  
 u09196mrna\_725-1169,1.1\_kb\_mrna\_upregulated\_in\_retinoic\_acid\_treated\_hl-60\_neutrophilic\_cells  
 u21858\_704-1064,transcriptional\_activation\_factor\_tafii32\_mrna,\_complete\_cds\_  
**25** u26266\_490-1046,deoxyhypusine\_synthase\_mrna,\_complete\_cds/gb=u26266\_/ntype=rna\_  
 u31176\_1677-2217,herv1\_mrna,\_complete\_cds  
 u37221\_1537-1981,cyclophilin-like\_protein\_mrna,\_partial\_cds  
 u43408\_2308-2668,tyrosine\_kinase\_(tnk1)\_mrna,\_complete\_cds\_  
 u50383\_2015-2441,retinoic\_acid-responsive\_protein\_(nn8-4ag)\_mrna,\_complete\_cds\_  
**30** u61981\_3743-  
 3819,putative\_mismatch\_repair/binding\_protein\_hmsh3\_(hmsh3)\_mrna,\_complete\_cds\_  
 u66702\_4190-4616,phogrin\_mrna,\_complete\_cds  
 u83239\_323-877,cc\_chemokine\_stcp-1\_mrna,\_complete\_cds  
 all\_x52426\_1139-1665,mrna\_for\_cytokeratin\_13\_  
**35** all\_x64643\_1944-2407,c6.1a\_mrna  
 x68733mrna\_1056-1488,gene\_for\_alpha1-antichymotrypsin\_exon\_1\_  
 all\_x81836\_812-1414,mrna\_for\_dents\_disease\_candidate\_gene  
 x89984cds\_465-573:in\_reversesequence,\_1646-1820,mrna\_for\_bcl7a\_protein  
 all\_x91648\_1082-1611,mrna\_for\_pur\_alpha\_extended\_3'\_untranslated\_region

- all\_x92106\_1361-1932,mrna\_for\_bleomycin\_hydrolase  
 x93036cds\_88-163:in\_reversesequence,\_34-37,mrna\_for\_mat8\_protein  
 all\_x96484\_497-1056,mrna\_for\_dgcr6\_protein\_  
 x97444cds\_2-405,mrna\_for\_transmembrane\_protein\_tmp21-iiex/gb=x97444\_/ntype=rna\_  
**5** x98834mrna\_4116-  
 4620,\_zinc\_finger\_protein\_hsal2\_gene\_extracted\_frommrna\_for\_zinc\_finger\_protein\_hsa  
 z78289\_35-153,mrna\_(clone\_1d2).
- Metagene 47
- 10** m30496\_321-759,ubiquitin\_carboxyl-terminal\_hydrolase\_(pgp\_9.5,\_uch-  
 l3)\_isozyme\_l3\_mrna\_complete\_cds  
 s62539\_5366-5756,\_insulin\_receptor\_substrate-1\_[human,\_skeletal\_muscle,\_mrna,\_5828\_nt]  
 s77393\_43-  
**15** 205,\_transcript\_ch138\_[human,\_rf1,rf48\_stomach\_cancer\_cell\_lines,\_mrna,\_235\_nt]/gb=s77393\_  
 u17886mrna\_507-981,succinate\_dehydrogenase\_iron-protein\_subunit\_(sdhb)\_gene  
 x82068cds\_2293-2647:in\_reversesequence,\_3019-  
 3103,mrna\_for\_glutamate\_receptor\_subunit\_glurc\_  
 all\_x86163\_2233-2564,mrna\_for\_b2-bradykinin\_receptor,\_3'\_  
**20** x93511cds\_2-312,mrna\_for\_telomeric\_dna\_binding\_protein\_(orf1)
- Metagene 474
- d83243\_5401-5857,npat\_mrna\_complete\_cds\_  
**25** hg4297-ht4567\_at\_hg4297-ht4567\_transcriptional\_coactivator\_pc4\_  
 l22075\_795-1377,guanine\_nucleotide\_regulatory\_protein\_(g13)\_mrna\_complete\_cds\_  
 l40157\_4445-4907,endosome-associated\_protein\_(eeal)\_mrna\_complete\_cds\_  
 l40400mrna\_2014-2542,(clone\_zap113)\_mrna,\_3'\_end\_of\_cds\_  
 l76571cds\_440-734:in\_reversesequence,\_1070-  
**30** 1310,nuclear\_hormone\_receptor\_(shp)\_gene,\_3'\_end\_of\_cds  
 s62028\_496-1041,\_recoverin\_[human,\_retina,\_mrna,\_1108\_nt]  
 u31248\_1663-2209,zinc\_finger\_protein\_(znf174)\_mrna\_complete\_cds\_  
 u49516\_4157-4691,serotonin\_5-ht2c\_receptor\_mrna\_complete\_cds  
 x53595cds\_525-1007:in\_reversesequence,\_1054-1104,mrna\_for\_beta-2-  
**35** glycoprotein\_i\_(apolipoprotein\_h)  
 x90858cds#2\_396-888:in\_reversesequence,\_1270-1306,mrna\_for\_uridine\_phosphorylase
- Metagene 455

- 112060mrna\_1032-1411,retinoic\_acid\_receptor\_(gamma-7)\_mrna  
 132832\_11295-11853,zinc\_finger\_homeodomain\_protein\_(atbf1-a)\_mrna,\_complete\_cds.  
 133842mrna\_1213-1639,(clone\_ffe-  
 7)\_type\_ii\_inosine\_monophosphate\_dehydrogenase\_(impdh2)\_gene,\_exons\_  
**5** 136644mrna\_3085-3137,receptor\_protein-tyrosine\_kinase\_(hek7)\_mrna,\_3'\_end\_  
 149219exon\_2-42:in\_reversesequence,\_70-  
 79,retinoblastoma\_susceptibility\_protein\_(rb1)\_1486wbp\_deleti  
 u21943\_2246-2678,organic\_anion\_transporting\_polypeptide\_(oatp)\_mrna,\_complete\_cds  
 u41767\_2113-2688,metargidin\_precursor\_mrna,\_complete\_cds\_  
**10** u46461\_1591-2152,dishevelled\_homolog\_(dvl)\_mrna,\_complete\_cds  
 u50062\_1713-2181,rip\_protein\_kinase\_gene,\_complete\_cds\_  
 x52213cds\_810-1371,ltk\_mrna  
 x57025mrna\_6635-7151,igf-i\_mrna\_for\_insulin-like\_growth\_factor\_i\_  
 x66142cds\_2216-2539:in\_reversesequence,\_2600-2643,mrna\_for\_rod\_cgmp\_phosphodiesterase\_  
**15** x99897cds\_6561-6760:in\_reversesequence,\_7057-7274,mrna\_for\_p/q-  
 type\_calcium\_channel\_alpha1\_subunit\_

Metagene 325

- 20** d86096\_cds1\_s\_at\_d86096\_d86096,not\_in\_gb\_record,\_ep3-  
 iv\_gene\_extracted\_fromdna\_for\_prostaglandin\_e\_r  
 d86096\_cds3\_at\_d86096\_d86096,not\_in\_gb\_record,\_ep3-  
 iv\_gene\_extracted\_fromdna\_for\_prostaglandin\_e\_rec  
 s74720\_1889-1995,\_dax-1=dss-  
**25** ahc\_critical\_region\_on\_x\_chromosome,\_gene[human,\_adrenal\_hypoplasia\_cong  
 all\_x17098\_1278-1357,psg10\_mrna\_for\_pregnancy\_specific\_glycoprotein\_10\_

Metagene 135

- 30** 140396mrna\_1542-2028,(clone\_s22i71)\_mrna\_fragment\_  
 m21186\_122-650,neutrophil\_cytochrome\_b\_light\_chain\_p22\_phagocyte\_b-  
 cytochrome\_mrna,\_complete\_cds\_  
 m98833\_2383-2899,ergb\_transcription\_factor\_(fli-1\_homolog)\_mrna,\_complete\_cds  
 u27655\_2169-2577,rgp3\_mrna,\_complete\_cds\_

**35**

Metagene 74

l21715\_127-631,troponin\_i\_fast-twitch\_isoform\_mrna,\_complete\_cds  
 l76687mrna\_1823-2291,grb14\_mrna,\_complete\_cds\_

y07596cds\_1035-1149;in\_reversesequence,\_1173-1509,mrna\_for\_gpi8\_protein\_  
z19574mrna\_1039-1479,gene\_for\_cytokeratin\_17

#### Metagene 372

5

ac002486cds\_812-1358,bac\_clone\_rg367o17\_from\_7p15-  
p21,\_complete\_sequence/gb=ac002486\_/ntype=dna\_/ann  
af002700\_931-1471,tgf-beta\_related\_neurotrophic\_factor\_receptor(trnr2)\_mrna,\_complete\_cds  
d13168exon\_2254-2800,gene\_for\_endothelin-b\_receptor\_(het-br)\_

10

j00148cds#1\_103-613;in\_reversesequence,\_1796-  
1841,growth\_hormone\_(somatotropin,\_gh1)\_gene,\_complete\_  
j04093\_1842-2342,phenol\_udp-glucuronosyltransferase\_(udpgt)\_mrna,\_complete\_cds  
m22995\_1008-1542,ras-related\_protein\_(krev-1)\_mrna,\_complete\_cds\_  
u90336\_2606-3074,peg3\_mrna,\_partial\_cds

15

all\_x69886\_1163-1504,mrna\_for\_glycerol\_kinase  
x92814cds\_194-458;in\_reversesequence,\_907-937,mrna\_for\_rat\_hrev107-like\_protein\_  
z20656mrna\_5438-5751,of\_cardiac\_alpha-myosin\_heavy\_chain\_gene

#### Metagene 304

20

d13639\_5889-6345,mrna\_for\_kiak0002\_gene,\_complete\_cds  
d89077\_2160-2592,mrna\_for\_src-like\_adapter\_protein,\_complete\_cds\_  
hg1872-ht1907\_at\_hg1872-ht1907\_major\_histocompatibility\_complex,\_dg  
hg3576-ht3779\_f\_at\_hg3576-ht3779\_major\_histocompatibility\_complex,\_ii\_beta\_w52\_

25

all\_j00123\_539-1020,enkephalin\_gene  
j03909\_461-995,gamma-interferon-inducible\_protein\_(ip-30)\_mrna,\_complete\_cds\_  
j04130mrna\_87-634,activation\_(act-2)\_mrna,\_complete\_cds  
all\_k02405\_5550-7761;in\_k02405cds\_778,mhc\_ii\_hla-dc-3-beta\_gene\_(dr3,3)\_  
m12529mrna\_562-1132,apolipoprotein\_e\_mrna,\_complete\_cds

30

m12886\_950-1091,t-cell\_receptor\_active\_beta-chain\_mrna,\_complete\_cds\_  
m13560exon\_3-562;not\_in\_gb\_record,ia-associated\_invariant\_gamma-chain\_gene  
m20902cds\_2-200;in\_reversesequence,\_517-5083,apolipoprotein\_c-i\_(vldl)\_gene,\_complete\_cds\_  
m21119\_137-591,lysozyme\_mrna,\_complete\_cds\_

m26062\_3505-3871,interleukinreceptor\_beta\_chain\_(p70-75)\_mrna,\_complete\_cds\_

35

m34996\_448-699,mhc\_cell\_surface\_glycoprotein\_(hla-dqa)\_mrna,\_3'\_end  
m57466mrna\_514-1036,mhc\_ii\_hla-dp\_light\_chain\_mrna,\_complete\_cds\_  
m59807mrna\_369-933,nk4\_mrna,\_complete\_cds  
m63835mrna\_896-1388,igg\_fc\_receptor\_i\_gene\_  
u15085\_821-1289,hla-dmb\_mrna,\_complete\_cds\_

- u19713\_18-374,allograft-inflammatory\_factor-1\_mrna,\_complete\_cds\_  
u20158\_1551-1911,76\_kda\_tyrosine\_phosphoprotein\_slp-76\_mrna,\_complete\_cds  
u51240\_1679-2171,lysosomal-associated\_multitransmembrane\_protein\_(laptm5)\_mrna,\_complete\_cds\_  
**5** u89922\_267-773,lymphotoxin\_beta\_isoform\_variant,\_alternatively\_spliced\_mrna,\_complete\_cds  
x00274exon#5\_1-337:not\_in\_gb\_record,gene\_for\_hla-dr\_alpha\_heavy\_chain\_a\_ii\_antigen\_(immune\_response\_  
x03068\_f\_at\_x03068\_x03068,\_40\_in\_x03068cds\_600-750:\_29\_in\_reversesequence,\_867-1167,mrna\_for\_hla-d\_i  
**10** x03100mrna\_908-1124:in\_reversesequence,\_10629-10851,\_hla-sb\_alpha\_gene\_(class\_ii\_antigen)\_extracted\_  
all\_x07743\_2156-2679,mrna\_for\_pleckstrin\_(p47)\_  
all\_x16663\_1397-1872,hs1\_gene\_for\_heamatopoietic\_lineage\_cell\_specific\_protein\_  
all\_x59892\_2163-2542,mrna\_for\_ifn-inducible\_gamma2\_protein\_  
**15** x62744cds\_469-745:in\_reversesequence,\_814-1018,ring6\_mrna\_for\_hla\_ii\_alpha\_chain-like\_product\_  
x66401cds#1\_327-615:in\_fullsequence,\_45931-47208:not\_in\_gb\_record,\_lmp2\_gene\_extracted\_fromgenes\_tap  
x68090cds\_5-61,fc-gamma-  
**20** riia\_gene\_for\_igg\_fc\_receptor\_ii\_a\_(5'\_flank)/gb=x68090/\_ntype=dna/\_annot=cds  
all\_x72755\_2106-2479,humig\_mrna  
x89109cds\_860-1326:in\_reversesequence,\_1457-1488,mrna\_for\_coronin\_  
z36531cds\_934-1294:in\_reversesequence,\_1345-1453,mrna\_for\_fibrinogen-like\_protein\_(pt49\_protein)  
**25**  
Metagene 10  
d78333\_1188-1734,mrna\_for\_testis-specific\_tcp20,\_complete\_cds  
m86707\_1190-1580,myristoyl\_coa:protein\_n-myristoyltransferase\_mrna  
**30** s77410\_1805-2225,\_typeangiotensin\_ii\_receptor\_[human,\_liver,\_mrna,\_2268\_nt]  
u25997\_3311-3824,stanniocalcin\_precursor\_(stc)\_mrna,\_complete\_cds  
u40490\_3673-4177,nicotinamide\_nucleotide\_transhydrogenase\_mrna,\_nuclear\_gene\_encoding\_mitochondrial\_  
u50078\_14603-15101,guanine\_nucleotide\_exchange\_factor\_p532\_mrna,\_complete\_cds  
**35** u65932\_1244-1634,extracellular\_matrix\_protein(ecm1)\_mrna,\_complete\_cds  
all\_x84373\_6655-7208,mrna\_for\_nuclear\_factor\_rip140

Metagene 273



- d13666\_2630-3072,mrna\_for\_osteoblast\_specific\_factor(osf-2os)  
d21255\_3362-3812,mrna\_for\_ob-cadherin-2,\_complete\_cds  
hg1140-ht4817\_s\_at\_hg1140-ht4817\_collagen,\_type\_vi,\_alpha\_2,\_altsplice\_2\_  
hg3044-ht3742\_s\_at\_hg3044-ht3742\_fibronectin,\_altsplice\_1  
**5** hg3431-ht3616\_s\_at\_hg3431-ht3616\_decorin,\_altsplice\_1  
j04177\_5773-6133,alpha-1\_type\_xi\_collagen\_(col11a1)\_mrna,\_complete\_cds\_  
all\_116895\_1511-2016,lysyl\_oxidase\_(lox)\_gene,\_exon\_7  
m24486mrna\_2110-2684,prolyl\_4-hydroxylase\_alpha\_subunit\_mrna,\_complete\_cds,\_clone\_pa-11  
m65292\_667-1202, factor\_h\_homologue\_mrna,\_complete\_cds  
**10** u21128\_1254-1632,lumican\_mrna,\_complete\_cds  
u37283\_370-868,microfibril-associated\_glycoprotein-2\_magp-2\_mrna,\_complete\_cds\_  
all\_x02761\_7082-7646,mrna\_for\_fibronectin\_(fn\_precursor)\_  
all\_x06700\_1946-2466,mrna\_3'\_region\_for\_pro-alpha1(iii)\_collagen\_  
all\_x14787\_5124-5701,mrna\_for\_thrombospondin\_  
**15** x52022\_9941-10349,rna\_for\_type\_vi\_collagen\_alpha3\_chain  
x57766mrna\_1658-2168,stromelysin-3\_mrna  
all\_x82153\_1128-1615,mrna\_for\_cathepsin\_o  
all\_z74615\_5320-5852,mrna\_for\_prepro-alpha1(i)\_collagen  
all\_z74616\_4470-4992,mrna\_for\_prepro-alpha2(i)\_collagen  
**20**  
Metagene 330  
  
d10040\_3243-3489,mrna\_for\_long-chain\_acyl-coa\_synthetase\_  
d55654\_786-1224,mrna\_for\_cytosolic\_malate\_dehydrogenase,\_complete\_cds  
**25** d63874\_865-1153,mrna\_for\_hmg-1,\_complete\_cds\_  
d63878\_2850-3408,mrna\_for\_kiaa0158\_gene,\_complete\_cds  
d63880\_4952-5504,mrna\_for\_kiaa0159\_gene,\_complete\_cds  
d79205\_5-319:in\_reversesequence, 323-325,mrna\_for\_ribosomal\_protein\_l39,\_complete\_cds\_  
d79996\_1759-2305,mrna\_for\_kiaa0174\_gene,\_complete\_cds  
**30** d90209\_1420-1972,mrna\_for\_dna\_binding\_protein\_taxreb67\_  
hg1116-ht1116\_at\_hg1116-ht1116\_proliferating-cell\_nucleolar\_antigen,\_120\_kda\_  
hg4312-ht4582\_s\_at\_hg4312-ht4582\_transcription\_factor\_iiia\_  
hg4334-ht4604\_s\_at\_hg4334-ht4604\_glycogenin  
j05032\_1721-2153,aspartyl-trna\_synthetase\_alpha-2\_subunit\_mrna,\_complete\_cds\_  
**35** l08069\_909-1347,heat\_shock\_protein,\_ecoli\_dnaj\_homologue\_mrna,\_complete\_cds  
l13761mrna\_3838-4270,dihydrolipoamide\_dehydrogenase\_gene,\_exon\_14\_  
l20941\_615-1143,ferritin\_heavy\_chain\_mrna,\_complete\_cds  
l25931\_3127-3607,lamin\_b\_receptor\_(lbr)\_mrna,\_complete\_cds\_  
l33881\_1822-2206,protein\_kinase\_c\_iota\_isoform,\_complete\_cds\_

- 176200\_268-796,guanylate\_kinase\_(guk1)\_mrna,\_complete\_cds  
 m15990\_3916-4390,c-yes-1\_mrna  
 all\_m19283\_2724-3319,cytoskeletal\_gamma-actin\_gene,\_complete\_cds\_  
 m22382mrna\_1758-2184,mitochondrial\_matrix\_protein\_p1\_(nuclear\_encoded)\_mrna,\_complete\_cds
- 5** m26880\_2206-2246,ubiquitin\_mrna,\_complete\_cds  
 m29064\_1225-1657,hnrnp\_b1\_protein\_mrna\_  
 m33521exon#2\_2706-3144:in\_reversesequence,\_4118-4148,hla-b-associated\_transcript(bat3)\_gene,\_5'\_end  
 m55531mrna\_1647-2175,glucose\_transport-like(glut5)\_mrna,\_complete\_cds\_
- 10** m60858mrna\_2193-2481,nucleolin\_gene,\_complete\_cds\_  
 m84739\_1366-1876,autoantigen\_calreticulin\_mrna,\_complete\_cds\_  
 m85169\_2712-3276,homologue\_of\_yeast\_sec7\_mrna,\_complete\_cds  
 m94556\_171-567,mitochondrial\_specific\_single\_stranded\_dna\_binding\_protein\_mrna,\_complete\_cds\_
- 15** m96843\_668-1112,striated\_muscle\_contraction\_regulatory\_protein\_(id2b)\_mrna,\_complete\_cds\_  
 m96982\_483-801,u2\_snrnp\_auxiliary\_factor\_small\_subunit,\_complete\_cds  
 s63912\_2442-3018,\_d10s102=fbrnp\_[human,\_fetal\_brain,\_mrna,\_3043\_nt]\_  
 u05227\_1078-1564,rar\_protein\_mrna,\_complete\_cds  
 u07550\_139-493,chaperoninmrna,\_complete\_cds
- 20** u09587\_2261-2330,glycyl-trna\_synthetase\_mrna,\_complete\_cds.  
 u19247mrna\_1469-1939,interferon-gamma\_receptor\_alpha\_chain\_gene\_  
 u24576\_1467-2013,breast\_tumor\_autoantigen\_mrna,\_complete\_sequence  
 u40369mrna\_851-995,spermidine/spermine\_n1-acetyltransferase\_(ssat)\_gene,\_complete\_cds\_  
 u41816\_614-1004,c-1\_mrna,\_complete\_cds\_
- 25** u47635\_1921-2353,d13s824e\_locus\_mrna,\_complete\_cds\_  
 u51478\_856-1282,sodium/potassium-transporting\_atpase\_beta-3\_subunit\_mrna,\_complete\_cds\_  
 u63743\_2187-2715,mitotic\_centromere-associated\_kinesin\_mrna,\_complete\_cds  
 u69126\_1831-2345,fuse\_binding\_protein(fbp2)\_mrna,\_partial\_cds\_  
 u75308\_3654-4092,tbp-associated\_factor\_(htafii130)\_mrna,\_partial\_cds\_
- 30** u90552\_2814-3377,butyrophilin\_(btf5)\_mrna,\_complete\_cds,butyrophilin\_(btf5)\_mrna,\_complete\_cds  
 all\_x14684\_629-1150,mrna\_for\_la\_protein\_c-terminal\_region  
 all\_x51755\_8272-8537,\_ig\_light-chain,\_partial\_ke-oz-\_polypeptide;\_author-given\_protein\_sequence\_is\_i
- 35** x56494mrna#1\_1894-2398,m\_gene\_for\_m1-type\_and\_m2-type\_pyruvate\_kinase  
 all\_x59812\_1586-2025,cyp\_27\_mrna\_for\_vitamin\_d3\_25-hydroxylase\_  
 all\_x60221\_635-1044,mrna\_for\_h+-atp\_synthase\_subunit\_b\_  
 all\_x78627\_2163-2674,mrna\_for\_translin\_  
 all\_x99325\_1482-1927,mrna\_for\_ste20-like\_kinase

all\_z29064\_3656-4251,af-1p\_mrna  
 z50022mrna\_2064-2478,mrna\_for\_surface\_glycoprotein\_  
 z74792mrna\_1470-1917,mrna\_for\_ccaat\_transcription\_binding\_factor\_subunit\_gamma.

## 5 Metagene 205

j02973mrna\_3467-4007,\_thbd\_gene\_extracted\_fromthrombomodulin\_gene,\_complete\_cds\_  
 l36069\_1283-  
 l709,high\_conductance\_inward\_rectifier\_potassium\_channel\_alpha\_subunit\_mrna,\_complete\_cd  
 10 u51587\_4262-4772,golgi\_complex\_autoantigen\_golgin-97\_mrna,\_complete\_cds  
 all\_x55666\_1222-1613,usf\_mrna\_for\_late\_upstream\_transcription\_factor\_  
 x58377mrna\_1716-2232,mrna\_for\_adipogenesis\_inhibitory\_factor\_

## Metagene 117

15

all\_m21642\_180-  
 301,(dysfunctional)\_antithrombin\_iii\_(atiii)\_utah\_gene,(dysfunctional)\_antithrombin\_i  
 m83772\_1565-2015,flavin-containing\_monooxygenase\_form\_ii\_(fmo2)\_mrna,\_complete\_cds\_  
 y07829exon#1\_7-  
 20 283,\_exon\_fromgene\_encoding\_ring\_finger\_protein/gb=y07829\_/ntype=dna\_/annot=exon,\_exo

## Metagene 28

d14822\_570-717,chimeric\_mrna\_derived\_from\_aml1\_gene\_and\_mtg8(eto)\_gene,\_partial\_sequence.  
 25 d87743\_3861-4323,mrna\_for\_kiaa0267\_gene,\_partial\_cds\_  
 hg3942-ht4212\_at\_hg3942-ht4212\_interferon  
 l14787\_1203-1641,dna-binding\_protein\_mrna,\_3'\_end  
 l15388\_1992-2478,g\_protein-coupled\_receptor\_kinase\_(grk5)\_mrna,\_complete\_cds\_  
 l24564\_854-1400,rad\_mrna,\_complete\_cds\_  
 30 all\_m61853\_1735-2240,cytochrome\_p450c18\_(cyp2c18)\_mrna,\_clone\_6b  
 m76482\_2855-3251,130-kd\_pemphigus\_vulgaris\_antigen\_mrna,\_complete\_cds  
 s74683\_848-1268,\_adp-ribosyltransferase\_[human,\_skeletal\_muscle,\_mrna,\_1334\_nt]\_  
 u13369cds\_1792-2248,ribosomal\_dna\_complete\_repeating\_unit/gb=u13369\_/ntype=dna\_/annot=cds  
 all\_x96584\_1444-1961,mrna\_for\_nov\_protein

35

## Metagene 376

all\_ac000061\_18132-  
 57268:in\_ac000061cds#2\_1270,\_wugsc:h\_133k23.1c\_gene\_extracted\_frombac\_clone\_133k2

- ad000092\_21426-21637:in\_ad000092cds#1\_3369-3688:in\_all\_ad000092\_21396-21427, \_hypotheticalserine-thre
- af002224\_24-373,angelman\_syndrome\_gene,\_e6-
- ap\_ubiquitin\_protein\_ligase\_3a\_(ube3a)\_mrna\_from\_promoter
- 5 d21851\_3680-4148,mrna\_for\_kiaa0028\_gene,\_partial\_cds\_  
hg3934-ht4204\_at\_hg3934-ht4204\_g1\_phase-specific\_gene  
hg4272-ht4542\_at\_hg4272-ht4542\_hepatocyte\_growth\_factor\_receptor\_  
hg4490-ht4876\_f\_at\_hg4490-ht4876\_proline-rich\_protein\_prb4,\_allele\_  
hg846-ht846\_at\_hg846-ht846\_cyclophilin-related\_protein\_
- 10 j03069mrna\_2331-2907,mycl2\_gene,\_complete\_cds\_  
j03634\_1563-1815,erythroid\_differentiation\_protein\_mrna\_(edf),\_complete\_cds  
j04101\_861-1425,erythroblastosis\_virus\_oncogene\_homolog(ets-1)\_mrna,\_complete\_cds.  
j02840mrna\_3224-3602:in\_reversesequence,\_3674-  
3710,potassium\_channel\_kv2.1\_mrna,\_complete\_cds
- 15 j07540\_721-1159,replication\_factor\_36-kda\_subunit\_mrna,\_complete\_cds  
m21539\_521-557,small\_proline\_rich\_protein\_(sprii)\_mrna,\_clone\_1292\_  
m24248exon\_201-220:not\_in\_gb\_record,mlc-1v/sb\_isoform\_gene\_  
m25296\_82-649,natriuretic\_peptide\_precursor\_mrna,\_complete\_cds\_  
m37245cds\_272-434:in\_reversesequence,\_113-353,ig\_superfamily\_cytotoxic\_t-lymphocyte-  
20 associated\_prote  
m60165mrna\_571-1069,\_hla-dqb1\_gene\_extracted\_fromguanine\_nucleotide-  
binding\_regulatory\_protein\_(go-a  
all\_m62628\_1743-2182,alpha-1\_ig\_germline\_c-region\_membrane-coding\_region,\_3'\_end\_  
m87499cds\_586-880:in\_reversesequence,\_2927-3041,uracil-  
25 dna\_glycosylase\_(ung)\_gene,\_complete\_cds\_  
m95740exon#12\_279-381,alpha-l-iduronidase\_gene\_  
m99063\_1942-2452,cytokeratinmrna,\_complete\_cds\_  
s70348\_55-  
367,\_integrin\_beta{alternatively\_spliced,\_clone\_beta\_3c}\_[human,\_erythroleukemia\_cell\_hel,  
30 u00951\_1325-1691,clone\_a9a2br11\_(cac)n/(gtg)n\_repeat-containing\_mrna\_  
u08377\_2654-3134,homolog\_of\_drosophila\_splicing\_regulator\_suppressor-of-white-  
apricot\_mrna,\_complete  
u09550\_1597-2149,oviductal\_glycoprotein\_mrna,\_complete\_cds\_  
u11870mrna\_1901-2411,interleukin-  
35 8\_receptor\_type\_a\_(il8rba)\_gene,\_promoter\_and\_complete\_cds\_  
u16261\_1147-1657,mda-7\_(mda-7)\_mrna,\_complete\_cds  
u18271exon#3\_51-512,thymopoietin\_(tmpo)\_gene,thymopoietin\_(tmpo)\_gene  
u19495\_1634-2204,intercrine-alpha\_(hirh)\_mrna,\_complete\_cds  
u26914\_3113-3533,ras-responsive\_element\_binding\_protein\_(rreb-1)\_mrna,\_complete\_cds

- u28150cds\_281-  
839,adrenoleukodystrophy\_related\_protein\_(haldr)\_gene,\_partial\_cds/gb=u28150\_/ntype=dn  
u36759\_486-1016,pre-t\_cell\_receptor\_alpha-type\_chain\_precursor,\_mrna,\_complete\_cds\_  
u39905\_2148-2670,vesicular\_monoamine\_transporter\_vmat1\_mrna,\_complete\_cds
- 5** u54804\_2444-2912,has2\_mrna,\_complete\_cds\_  
u56976\_1664-2240,calmodulin\_dependent\_phosphodiesterase\_pde1b1\_mrna,\_complete\_cds\_  
u61166\_2652-3150,sh3\_domain-containing\_protein\_sh3p17\_mrna,\_complete\_cds\_  
u64197\_250-658,chemokine\_exodus\_mrna,\_complete\_cds\_  
u66559\_4812-5244,anaplastic\_lymphoma\_kinase\_receptor\_mrna,\_complete\_cds
- 10** all\_u66726\_2378-  
2421,testis\_specific\_rna\_binding\_protein\_(spgyla)\_mrna,\_complete\_cds,testis\_specific  
u67733\_3650-4178,cgmp-stimulated\_3',5'-  
cyclic\_nucleotide\_phosphodiesterase\_pde2a3\_(pde2a)\_mrna,\_co  
x16260cds\_2053-2485:in\_reversesequence,\_2508-2631,mrna\_for\_inter-alpha-
- 15** trypsin\_inhibitor\_subunit\_3  
all\_x51801\_1415-1824,op-1\_mrna\_for\_osteogenic\_protein  
x53683mrna\_377-638,lag-1\_mrna  
all\_x56677\_1103-1584,myod\_mrna\_  
x74614exon#2\_17-377:in\_reversesequence,\_1279-
- 20** 1387:not\_in\_gb\_record,odf2\_(allele\_2)\_gene\_for\_outer\_de  
x80590cds\_653-1109,phkg1\_mrna  
x82634\_1048-1378,partial\_mrna\_for\_hair\_keratin\_acidic\_3-ii\_  
y10256\_2797-3247,mrna\_for\_serine/threonine\_protein\_kinase,\_nik\_  
y11710mrna\_2222-2642,mrna\_for\_extracellular\_matrix\_protein\_collagen\_type\_xiv,\_c-terminus
- 25** z48519exon#3\_11-223,xg\_gene\_(clone\_race5)/gb=z48519\_/ntype=rna\_  
all\_z50053\_2518-3047,mrna\_for\_alpha2i-subunit\_of\_soluble\_guanylyl\_cyclase  
z50194cds\_664-856:in\_reversesequence,\_1345-1372,mrna\_for\_pq-rich\_protein  
all\_z68193\_17672-  
20477,dna\_sequence\_from\_cosmid\_qc8b6,\_on\_chromosome\_xq28,\_containing\_red\_opsin\_gene
- 30** z83745exon\_49-367,dna\_sequence\_from\_pac\_453a3\_contains\_est\_and\_sts.

## Metagene 302

- ab002332\_5132-5666,mrna\_for\_kiaa0334\_gene,\_complete\_cds/gb=ab002332\_/ntype=rna\_  
**35** k03008\_cds1\_at\_k03008\_k03008,not\_in\_gb\_record,\_gamma-g2-psi\_gene\_extracted\_fromgamma-c-  
crystallin\_(g  
107044\_1420-1762,calcium/calmodulin-  
dependent\_protein\_kinase\_(camk)\_isoform\_b\_mrna\_sequence\_  
l36844mrna\_292-808,(clone\_p15ink4b/ha5)\_cdk\_inhibitory\_protein\_mrna,\_complete\_cds\_

u35407mrna\_77-

193,peroxisomal\_targeting\_signal\_import\_receptor\_(pxr1)\_gene,\_allele\_5,\_partial\_cds/gb

y07846exon#7\_92-587,mrna\_for\_gar22\_protein\_

all\_y09616\_1443-1948,mrna\_for\_putative\_carboxylesterase

5

Metagene 423

d38549\_3838-4336,mrna\_for\_kiaa0068\_gene,\_partial\_cds\_

d63877\_2386-2908,mrna\_for\_kiaa0241\_gene,\_partial\_cds\_

10 d86967\_5483-5873,mrna\_for\_kiaa0212\_gene,\_complete\_cds

hg4063-ht4333\_s\_at\_hg4063-ht4333\_transcription\_factor\_hbf-2

j03171\_2250-2700,interferon-alpha\_receptor\_(huifn-alpha-rec)\_mrna,\_complete\_cds

j04760mrna\_233-791,slow-twitch\_skeletal\_troponin\_i\_(tnn1)\_mrna,\_complete\_cds\_

107956\_2402-2930,1,4-alpha-glucan\_branching\_enzyme\_(hgbe)\_mrna,\_complete\_cds

15 l35546mrna\_1027-1543,gamma-glutamylcysteine\_synthetase\_light\_subunit\_mrna,\_complete\_cds\_

m35128cds\_1044-1320:in\_reversesequence,\_1936-

2038,muscarinic\_acetylcholine\_receptor\_gene,\_complete\_c

m63582mrna\_1062-1518,preprothyrotropin-releasing\_hormone\_gene

u05321mrna\_3734-4220,x-linked\_pest-containing\_transporter\_(xpct)\_gene,\_promoter\_and

20 x13794mrna\_713-1229,lactate\_dehydrogenase\_b\_gene\_exonand(ec\_1.1.1.27)\_(and\_joined\_cds)

x82224cds\_733-1165:in\_reversesequence,\_1273-1303,mrna\_for\_glutamine\_transaminase\_k

Metagene 349

25 j02943mrna\_869-1373,corticosteroid\_binding\_globulin\_mrna,\_complete\_cds\_

m96789\_1026-1548,connexin\_37\_(gja4)\_mrna,\_complete\_cds

z81326cds\_913-1189:in\_reversesequence,\_1348-

1486,mrna\_for\_protease\_inhibitor(pi12;\_neuroserpin).

30 Metagene 26

d14134\_1646-2192,mrna\_for\_rad51,\_complete\_cds

j03778\_520-1075,microtubule-associated\_protein\_tau\_mrna,\_complete\_cds

l08096\_314-794,cd27\_ligand\_mrna,\_complete\_cds

35 u17977\_79-379,\_hsu17977cdna\_

u39196\_2616-3084,clone\_hgirk1\_g-

protein\_coupled\_inwardly\_rectifying\_potassium\_channel\_mrna,\_complete

u58090\_1035-1605,hs-cul-4a\_mrna,\_partial\_cds\_

u94320\_828-1392,neuropeptide\_y5\_receptor\_(npyy5)\_mrna,\_complete\_cds

- x00949cds\_65-487,mrna\_for\_prepro-relaxin\_h1/gb=x00949\_/ntype=rna\_  
 x58822mrna\_905-1422,ifn-omegagene\_for\_interferon-omega\_1\_  
 x59841mrna\_2006-2444,pbx3\_mrna\_  
 x97230cds\_782-1274:in\_reversesequence,\_1290-1353,mrna\_for\_nk\_receptor,\_clone\_library\_4m1#6  
 5 x98001cds\_572-932:in\_reversesequence,\_998-1064,mrna\_for\_geranylgeranyl\_transferase\_ii\_

## Metagene 192

- hg3730-ht4000\_s\_at\_hg3730-ht4000\_tyrosine\_kinase\_syk\_  
 10 l19401\_3716-4220,myosin\_i\_homologue\_(myh12)\_mrna,\_3'\_end\_of\_cds  
 m96740\_2014-2476,nscl-2\_gene\_sequence  
 all\_s94421\_33-496,\_tcr\_eta\_#name?\_cell\_receptor\_eta-exon\_[human,\_genomic,\_806\_nt]  
 all\_u27333\_2701-  
 2753,alpha\_(1,3)\_fucosyltransferase\_(fut6)\_mrna,\_major\_transcript\_i,\_complete\_cds,al  
 15 u33203\_73-282,mdm2-e\_(mdm2)\_mrna,\_complete\_cds/gb=u33203\_/ntype=rna  
 u60975\_6398-6824,hybrid\_receptor\_gp250\_precursor\_mrna,\_complete\_cds  
 x03656mrna\_971-1391,\_g-csf\_protein\_gene\_extracted\_fromgene\_for\_granulocyte\_colony-  
 stimulating\_factor  
 all\_x16281\_402-898,mrna\_for\_zinc\_finger\_protein\_(clone\_431)  
 20 x66922cds\_362-728:in\_reversesequence,\_848-872,mrna\_for\_myo-insositol\_monophosphatase  
 x80763cds\_202-528:in\_reversesequence,\_663-850,gene\_for\_5-ht2c\_receptor  
 x98307mrna\_13-355,mrna\_for\_uv-b\_repressed\_sequence,\_hur\_7  
 all\_z11685\_1974-2425,mrna\_for\_rna\_helicase\_  
 z29077mrna#1\_3-55,\_un-named-transcript-  
 25 l\_fromcdc25\_gene\_promoter\_region/gb=z29077\_/ntype=dna\_/annot=

## Metagene 337

- d87469\_8413-8899,mrna\_for\_kiaa0279\_gene,\_partial\_cds\_  
 30 l21934\_3401-3905,acyl\_coenzyme\_a:cholesterol\_acyltransferase\_mrna,\_complete\_cds  
 s60415\_2937-3333,\_myasthenic\_syndrome\_antigen\_b\_[human,\_fetal\_brain,\_mrna,\_3477\_nt]  
 u09716\_1621-2124,mannose-specific\_lectin\_(mr60)\_mrna,\_complete\_cds\_  
 u48250\_1490-2030,protein\_kinase\_c-binding\_protein\_rack17\_mrna,\_partial\_cds\_  
 all\_x94612\_2745-3328,mrna\_for\_type\_ii\_cgmp-dependent\_protein\_kinase  
 35 y11709mrna\_169-709,mrna\_for\_extracellular\_matrix\_protein\_collagen\_type\_xiv,\_n-  
 terminus/gb=y11709\_/nt

## Metagene 12

- d14823\_851-1343,chimeric\_mrna\_derived\_from\_aml1\_gene\_and\_mtg8(eto)\_gene,\_partial\_sequence  
d38076\_322-700,mrna\_for\_ranbp1\_(ran-binding\_protein\_1),\_complete\_cds\_  
d80004\_6550-6898,mrna\_for\_kiaa0182\_gene,\_partial\_cds\_  
d87075\_5013-5469,mrna\_for\_kiaa0238\_gene,\_partial\_cds\_  
**5** d87673\_960-1434,mrna\_for\_heat\_shock\_transcription\_factor\_4,\_complete\_cds\_  
d87716\_2447-2942,mrna\_for\_kiaa0007\_gene,\_partial\_cds\_  
hg2271-ht2367\_at\_hg2271-ht2367\_profilaggrin  
hg3039-ht3200\_at\_hg3039-ht3200\_adp-ribosylation-like\_factor  
hg3636-ht3846\_at\_hg3636-ht3846\_myosin\_heavy\_polypeptide\_9,\_non-muscle\_  
**10** hg3884-ht4154\_at\_hg3884-ht4154\_homeotic\_protein\_hpx-42\_  
j02783mrna\_2075-2465,thyroid\_hormone\_binding\_protein\_(p55)\_mrna,\_complete\_cds  
j03824\_756-1230,uroporphyrinogen\_iii\_synthase\_mrna,\_complete\_cds\_  
l16782\_1994-2522,putative\_m\_phase\_phosphoprotein(mpp1)\_mrna,\_partial\_cds  
l18972cds\_1821-2019:in\_reversesequence,\_2065-2305,anonymous\_gene,\_complete\_cds  
**15** l19711\_4952-5414,dystroglycan\_(dag1)\_mrna,\_complete\_cds  
l34587\_109-403,rna\_polymerase\_ii\_elongation\_factor\_siii\_p15\_subunit\_mrna,\_complete\_cds\_  
l37936\_439-961,nuclear-encoded\_mitochondrial\_elongation\_factor\_ts\_(ef-ts)\_mrna,\_3'\_end\_of\_cds  
l40407cds\_696-882:in\_reversesequence,\_1060-  
l264,thyroid\_receptor\_interactor\_(trip9)\_gene,\_complete\_c  
**20** l41067\_3380-3884,nf-at4c\_mrna,\_complete\_cds\_  
l76191mrna\_3005-3521,interleukin-1\_receptor-associated\_kinase\_(irak)\_mrna,\_complete\_cds\_  
l77730exon\_529-1009,a3\_adenosine\_receptor\_(adora3)\_gene\_  
all\_m14158\_1529-1794\_t-cell\_receptor\_beta-chain\_j1.3\_gene\_extracted\_fromt-  
cell\_receptor\_germline\_be  
**25** m19961\_55-469,cytochrome\_c\_oxidase\_subunit\_vb\_(coxvb)\_mrna,\_complete\_cds\_  
m34338\_626-1197,spermidine\_synthase\_mrna,\_complete\_cds\_  
m60047\_641-1097,heparin\_binding\_protein\_(hbp17)\_mrna,\_complete\_cds\_  
m65199\_735-1101,endothelin(et2)\_mrna,\_complete\_cds  
m86752\_1512-2046,transformation-sensitive\_protein\_(ief\_ssp\_3521)\_mrna,\_complete\_cds  
**30** s40719\_2440-2964\_glia\_fibrillary\_acidic\_protein\_[human\_glioma\_cell\_line\_u-  
251\_mg,\_mrna,\_3033\_nt]  
s66793\_697-1219\_x-arrestin=s-antigen\_homolog\_[human\_retina,\_mrna,\_1314\_nt]  
u05340\_1103-1571,p55cdc\_mrna,\_complete\_cds\_  
u07424\_1266-1764,putative\_trna\_synthetase-like\_protein\_mrna,\_complete\_cds  
**35** u47621\_1758-2286,nucleolar\_autoantigen\_no55\_mrna,\_complete\_cds\_  
u55206\_790-1222:not\_in\_gb\_record,gamma-glutamyl\_hydrolase\_(hgh)\_mrna,\_complete\_cds  
u61263\_1603-2077,acetolactate\_synthase\_homolog\_mrna,\_complete\_cds  
u62962\_927-1347,int-6\_mrna,\_complete\_cds\_



- u68566\_638-1124,hs1\_binding\_protein\_hax-  
 1\_mrna,nuclear\_gene\_encoding\_mitochondrial\_protein,\_complet  
 u70735\_507-1005,34\_kda\_mov34\_isologue\_mrna,\_complete\_cds/gb=u70735\_/ntype=rna  
 u79270\_774-1176,clone\_23707\_mrna,\_partial\_cds
- 5** u85943\_1527-1680,mrna-associated\_protein\_mrnp41\_mrna,\_complete\_cds/gb=u85943\_/ntype=rna  
 x00368mrna\_7-52,\_exonfromprolactin\_gene\_5'\_region/gb=x00368\_/ntype=dna\_/annot=mrna\_  
 x12794cds\_864-1176:in\_reversesequence,\_1905-2139,v-erba\_related\_ear-2\_gene\_  
 x13482cds\_490-712:in\_reversesequence,\_870-942,mrna\_for\_u2\_snrnp-specific\_a'\_protein\_  
 x79781cds\_276-546:in\_reversesequence,\_675-681,ray\_mrna
- 10** x92744cds\_6-174:in\_reversesequence,\_61-271,mrna\_for\_hbd-1\_protein\_  
 all\_y00285\_8502-8980,mrna\_for\_insuline-like\_growth\_factor\_ii\_receptor
- Metagene 202
- 15** d50915\_7282-7750,mrna\_for\_kiaa0125\_gene,\_complete\_cds  
 hg2415-ht2511\_at\_hg2415-ht2511\_transcription\_factor\_e2f-2  
 hg3872-ht4142\_at\_hg3872-ht4142\_immunoglobulin\_gamma\_heavy\_chain,\_v(6)djc\_regions\_  
 hg4460-ht4729\_at\_hg4460-ht4729\_immunoglobulin\_heavy\_chain,\_vdjc\_regions  
 hg4462-ht4731\_at\_hg4462-ht4731\_immunoglobulin\_heavy\_chain,\_vdjc\_regions
- 20** j00210mrna\_635-735,\_ifna\_gene\_(interferon\_alpha-d)\_extracted\_fromleukocyte\_interferon\_(ifn-  
 alpha)\_al  
 j03068\_2794-3286,dnf1552\_(lung)\_mrna,\_complete\_cds\_  
 110343cds\_2-308:in\_reversesequence,\_476-2076,\_huma\_elafin\_gene,\_complete\_cds\_  
 129217mrna\_1299-1683,clk3\_mrna,\_complete\_cds
- 25** l34035\_1405-1813,nadp-dependent\_malic\_enzyme\_mrna,\_complete\_cds/gb=l34035\_/ntype=rna  
 l38025exon#1-3\_30-106:not\_in\_gb\_record,ciliary\_neurotrophic\_factor\_alpha\_receptor\_gene\_  
 all\_m21005\_1803-2524,migration\_inhibitory\_factor-related\_protein(mrp8)\_gene,\_complete\_cds\_  
 all\_u05259\_4343-4740:not\_in\_gb\_record,mb-1\_gene,\_complete\_cds  
 u16812cds\_274-601:in\_reversesequence,\_3897-4028,bak-2\_gene,\_complete\_cds
- 30** u18237\_231-759,atp-binding\_cassette\_protein\_mrna\_06b09\_clone,\_partial\_cds  
 u39817\_3917-4373,bloom\_syndrome\_protein(blm)\_mrna,\_complete\_cds\_  
 u40380\_961-1027,presenilin\_i-374\_(ad3-212)\_mrna,\_complete\_cds  
 u58837\_3430-4003,cgmp-gated\_cation\_channel\_beta\_subunit\_(cncg2)\_mrna,\_complete\_cds\_  
 all\_x64878\_3508-3965,mrna\_for\_oxytocin\_receptor
- 35** x82240mrna\_723-  
 1251,\_tcl1\_gene\_(t\_cell\_leukemia)\_extracted\_frommrna\_for\_tcell\_leukemia/lymphoma\_1\_  
 x83412cds\_225-412:in\_reversesequence,\_507-539,b1\_mrna\_for\_mucin  
 z00010exon#2\_75-  
 158,germ\_line\_pseudogene\_for\_immunoglobulin\_kappa\_light\_chain\_leader\_peptide\_and\_var

z29574exon#3\_1-373:in\_reversesequence,\_3141:not\_in\_gb\_record,gene\_for\_bcma\_peptide  
 z49194exon#5\_1962-2256,mrna\_for\_oct-binding\_factor\_

Metagene 278

5

d00654exon\_127-196:not\_in\_gb\_record,enteric\_smooth\_muscle\_gamma-actin\_gene,\_5'\_flank\_and  
 d42085\_2200-2572,mrna\_for\_kiaa0095\_gene,\_complete\_cds  
 d76435\_2639-3065,mrna\_for\_zic\_protein,\_complete\_cds  
 m37712mrna\_3280-

10 3760,p58/gta\_(galactosyltransferase\_associated\_protein\_kinase)\_mrna,\_complete\_cds

u06681\_1348-1774,clone\_cca12\_mrna\_containing\_cca\_trinucleotide\_repeat

u15552\_1831-2311,acidic\_82\_kda\_protein\_mrna,\_complete\_cds

u66198\_215-713,fibroblast\_growth\_factor\_homologous\_factor(fhf-  
 2)\_mrna,\_complete\_cds/gb=u66198\_/ntype

15 all\_x13293\_2056-2549,mrna\_for\_b-myb\_gene\_

x13334cds\_659-1049:in\_reversesequence,\_1234,cd14\_mrna\_for\_myelid\_cell-specific\_leucine-  
 rich\_glycopro

all\_x87159\_2076-2527,mrna\_for\_beta\_subunit\_of\_epithelial\_amiloride-sensitive\_sodium\_channel

20 Metagene 97

l11244mrna\_545-1049,(clone\_a12)\_c4b-binding\_protein\_beta-chain\_mrna,\_complete\_cds

all\_m29458\_440-1017,carbonic\_anhydrase\_iii\_gene

m57731mrna\_617-1032,gro-beta\_mrna,\_complete\_cds

25 m90657\_581-1163,tumor\_antigen\_(l6)\_mrna,\_complete\_cds

Metagene 400

hg3085-ht3254\_s\_at\_hg3085-ht3254\_phosphodiesterase\_

30 all\_m60748\_1209-1615,histone\_h1\_(h1f4)\_gene,\_complete\_cds

m63623\_2390-2900,oligodendrocyte-myelin\_glycoprotein\_(omgp)\_mrna,\_complete\_cds\_

all\_x74837\_2811-3196,humm9\_mrna

all\_x78578\_3781-4268,ppp1r3\_mrna\_for\_protein\_phosphatase\_1,\_glycogen-  
 binding\_regulatory\_subunit

35

Metagene 284

k03021exon#14\_343-853,tissue\_plasminogen\_activator\_(plat)\_gene,\_complete\_cds\_

all\_m55998\_2-265,alpha-1\_collagen\_type\_i\_gene,\_3'\_end

- m88461\_993-1538,neuropeptide\_y\_peptide\_yy\_receptor\_mrna,\_complete\_cds  
u32907\_1401-1923,p37nb\_mrna,\_complete\_cds  
u62325\_2343-2805,fe65-like\_protein\_(hfe651)\_mrna,\_partial\_cds  
all\_x52947\_2497-2942,mrna\_for\_cardiac\_gap\_junction\_protein\_  
**5** all\_x54667\_676-706,mrna\_for\_cystatin\_s,mrna\_for\_cystatin\_s  
all\_x57351\_294-891,1-8d\_gene\_from\_interferon-inducible\_gene\_family,1-  
8d\_gene\_from\_interferon-inducib  
all\_x69111\_662-1185,hlh\_1r21\_mrna\_for\_helix-loop-helix\_protein\_  
all\_z29083\_1644-2023,5t4\_gene\_for\_5t4\_oncofetal\_antigen  
**10** Metagene 483  
m60094mrna\_196-640,testicular\_h1\_histone\_(h1)\_gene,\_complete\_cds  
x00948cds\_65-503,mrna\_for\_prepro-relaxin\_h2/gb=x00948\_/ntype=rna\_  
**15** Metagene 307  
d84454\_2031-2577,mrna\_for\_udp-galactose\_translocator,\_complete\_cds\_  
109708mrna\_2255-2795,complement\_component(c2)\_gene\_allele\_b\_  
**20** u41315mrna#1\_3083-3653,ring\_zinc-finger\_protein\_(znf127-xp)\_gene\_and\_5'\_flanking\_sequence\_  
x58529mrna\_1754-  
2276,rearranged\_immunoglobulin\_mrna\_for\_mu\_heavy\_chain\_enhancer\_and\_constant\_region  
x72475cds\_111-343,mrna\_for\_rearranged\_ig\_kappa\_light\_chain\_variable\_region\_(i.114)\_  
**25** Metagene 260  
d29833\_194-680,mrna\_for\_salivary\_proline\_rich\_peptide\_p-b,\_complete\_cds  
d87433\_6272-6752,mrna\_for\_kiaa0246\_gene,\_partial\_cds\_  
u31384\_57-591,g\_protein\_gamma-11\_subunit\_mrna,\_complete\_cds  
**30** u62801\_935-1481,protease\_m\_mrna,\_complete\_cds  
Metagene 126  
d38437\_37-604,dna\_mismatch\_repair\_mrna\_  
**35** hg1604-ht1604\_at\_hg1604-ht1604\_adrenergic,\_beta,\_receptor\_kinase\_2\_  
hg651-ht5209\_s\_at\_hg651-ht5209\_adducin,\_alpha\_subunit,\_altsplice\_3\_  
j03915\_1313-1721,chromogranin\_a\_mrna,\_complete\_cds\_  
k03183cds\_2-326,chorionic\_gonadotropin\_beta\_subunit\_gene\_

s75256\_32-

446\_hn1=neutrophil\_lipocalin [human\_ovarian\_cancer\_cell\_line\_oc6\_mrna\_partial\_534\_nt]/  
u08989\_1383-1857,glutamate\_transporter\_mrna\_complete\_cds

u17280\_1004-1562,steroidogenic\_acute\_regulatory\_protein\_(star)\_mrna\_complete\_cds

5 all\_u21689\_2955-3116,glutathione\_s-transferase-p1c\_gene\_complete\_cds

u31973\_2396-2914,phosphodiesterase\_a'\_subunit\_(pde6c)\_mrna\_complete\_cds\_

u33822\_2053-2563,tax1-binding\_protein\_txbp181\_mrna\_complete\_cds\_

u40372\_1565-2021,3',5'\_cyclic\_nucleotide\_phosphodiesterase\_(hspdelc3a)\_mrna\_partial\_cds

all\_u73167\_4971-

10 35099\_h\_luca14.2a\_gene\_extracted\_fromcosmid\_luca14\_h\_luca14.2a\_gene\_extracted\_from  
all\_x07496\_2066-2268,tangier\_apoa-i\_gene\_

x58964cds\_2500-2914,gene\_for\_mhc\_ii\_regulatory\_factor\_rfx

x85178\_267-627,surf-5\_mrna\_

x98258cds\_481-619;in\_reversesequence\_625-829,mrna\_for\_m-phase\_phosphoprotein\_mpp9

15 x99479\_f\_at\_x99479\_x99479\_40\_in\_x99479cds\_951-1047: 30\_in\_reversesequence\_1065-  
1461,mrna\_for\_nk\_re

Metagene 16

20 k01396mrna\_769-1201,alpha-1-antitrypsin\_mrna\_complete\_cds\_

m80482\_3922-4324,subtilisin-like\_protein\_(pace4)\_mrna\_complete\_cds

all\_x15422\_3003-3550,mrna\_for\_mannose-binding\_protein\_c

all\_x64810\_4454-5019,encoding\_pc1/pc3

all\_x81438\_2665-3206,mrna\_for\_amphiphysin

25 z12830cds\_344-764;in\_reversesequence\_943,mrna\_for\_ssr\_alpha\_subunit

all\_z22534\_2132-2637,alk-2\_mrna

Metagene 279

30 all\_110381\_2086-2579,2-5a-dependent\_mase\_gene\_complete\_cds\_

m57703\_129-629,melanin\_concentrating\_hormone\_(mch)\_mrna\_complete\_cds

u66359\_1205-1583,t54\_protein\_(t54)\_mrna\_complete\_cds

Metagene 228

35

d26535exon#15\_940-1455,gene\_for\_dihydrolipoamide\_succinyltransferase\_complete\_cds\_(exon\_1-  
15)\_

d78577exon\_853-1391,dna\_for\_14-3-3\_protein\_eta\_chain\_

d86980\_4616-5192,mrna\_for\_kiaa0227\_gene\_partial\_cds\_

- hg2743-ht3926\_s\_at\_hg2743-ht3926\_caldesmon\_1\_altsplice\_6\_non-muscle  
hg4178-ht4448\_at\_hg4178-ht4448\_af-17\_  
j03060exon#11\_168-666,glucocerebrosidase (gcb)\_gene  
j03077\_2159-2692,co-beta glucosidase (proactivator)\_mrna,\_complete\_cds\_  
**5** 112168\_2032-2476,adenylyl cyclase-associated protein (cap)\_mrna,\_complete\_cds\_  
m15395\_2621-2736,leukocyte adhesion protein (lfa-1/mac-1/p150,95\_family)\_beta\_subunit\_mrna\_  
m22898mrna\_2042-2600,phosphoprotein p53\_gene\_  
m33308\_4519-5071,vinculin\_mrna,\_complete\_cds\_  
m63573\_370-802,secreted cyclophilin-like protein (scylp)\_mrna,\_complete\_cds\_  
**10** m80563\_133-523,capl protein\_mrna,\_complete\_cds\_  
m94345\_752-1160,macrophage capping protein\_mrna,\_complete\_cds\_  
s81439\_2658-  
3186\_egr\_alpha=early\_growth\_response\_gene\_alpha [human, prostate, mrna, 3228 nt]  
all\_u02020\_1985-2352,pre-b\_cell enhancing\_factor (pbef)\_mrna,\_complete\_cds\_  
**15** u22055\_2879-3455,100\_kda\_coactivator\_mrna,\_complete\_cds\_  
u25165\_1579-2083,fragile\_x\_mental\_retardation\_protein homolog\_fxrl\_mrna,\_complete\_cds\_  
u56637\_1987-2323,capping protein\_alpha\_subunit\_isoformmrna,\_complete\_cds\_  
u57721\_1126-1588,l-kynurenine\_hydrolase\_mrna,\_complete\_cds\_  
all\_u90546\_1365,tyrosylphosphorylation (btf4)\_mrna,\_complete\_cds,tyrosylphosphorylation (btf4)\_mrna,\_complete\_cds  
**20** \_  
x12447mrna#13\_1-241:not\_in\_gb\_record,aldolase\_a\_gene (ec\_4.1.2.13)  
x62320cds\_1527-1755:in\_reversedsequence,\_1825-2095,mrna\_for\_epithelinand\_2  
all\_x74262\_1725-2278,rbp48\_mrna\_encoding\_retinoblastoma\_binding\_protein\_  
all\_x76105\_1661-2208,dap-1\_mrna  
**25** all\_y00281\_1856-2319,mrna\_for\_ribophorin\_i\_  
  
Metagene 142  
  
d43772\_1616-2168,squamous\_cell\_carcinoma\_of\_esophagus\_mrna\_for\_grb-  
**30** 7\_sh2\_domain\_protein,\_complete\_cd  
d50920\_2969-3419,mrna\_for\_kiaa0130\_gene,\_complete\_cds  
l09229\_2642-3099,long-chain\_acyl-coenzyme\_a\_synthetase (fac11)\_mrna,\_complete\_cds  
l11370\_3486-4038,protocadherin\_42\_mrna,\_complete\_cds\_for\_abbreviated\_pc42  
all\_m12036\_1553-1732,tyrosine\_kinase-type\_receptor (her2)\_gene,\_partial\_cds  
**35** m24899\_1750-2284,triiodothyronine (ear7)\_mrna,\_complete\_cds  
m80783\_3001-3451,b12\_protein\_mrna,\_complete\_cds  
u47634\_1341-1623,beta-tubulin\_iii\_isotype (beta-3)\_mrna,\_complete\_cds  
u90914\_1369-1795,clone\_23587\_mrna\_sequence\_  
all\_x03363\_3873-4408,c-erb-b-2\_mrna

x63527cds\_99-549:in\_reversesequence,\_637-655,mrna\_for\_ribosomal\_protein\_119\_

all\_x65233\_1966-2429,mrna\_for\_zinc-finger\_protein\_(znfpt17)

all\_x80198\_1398-1939,mln64\_mrna

all\_x80199\_3718-4223,mln51\_mrna

**5** all\_x80692\_3409-3878,erk3\_mrna\_

y09836\_999-1335,mrna\_for\_3'\_utr\_of\_unknown\_protein\_

z38026cds\_63-483:in\_reversesequence,\_536-542,mrna\_for\_fall-39\_peptide\_antibiotic

Metagene 450

**10**

hg3548-ht3749\_at\_hg3548-ht3749\_ccaat\_displacement\_protein\_cut\_homolog\_altsplice\_1

l27559utr#1\_111-166,insulin-like\_growth\_factor\_binding\_protein(igfbp5)\_gene\_

m62782\_392-958,insulin-like\_growth\_factor\_binding\_protein(igfbp-5)\_mrna\_complete\_cds\_

u51336\_2520-3024,inositol\_1,3,4-trisphosphate\_5/6-kinase\_mrna\_complete\_cds

**15** x16665cds\_871-1039:in\_reversesequence,\_1135-1369,hox2h\_mrna\_from\_the\_hox2\_locus\_

all\_z48605\_61-326,partial\_mrna\_for\_pyrophosphatase/gb=z48605\_/ntype=rna

Metagene 251

**20** j02874\_63-573,adipocyte\_lipid-binding\_protein\_complete\_cds

m15465\_1955-2384,pyruvate\_kinase\_type\_1\_mrna\_complete\_cds\_

u25128\_2100-2598,pth2\_parathyroid\_hormone\_receptor\_mrna\_complete\_cds

u66616\_3427-3979,swi/snf\_complex\_170\_kda\_subunit\_(baf170)\_mrna\_complete\_cds\_

x82539mrna\_1313-1823,mrna\_for\_mage-xp

**25** y08417\_1043-1558,mrna\_for\_nicotinic\_acetylcholine\_receptor\_beta3\_subunit\_precursor\_

all\_z11850\_55-416,mrna\_for\_somatotropin\_receptor\_5'\_upstream\_region/gb=z11850\_/ntype=rna\_

Metagene 9

**30** hg371-ht26388\_at\_hg371-ht26388\_mucin\_1\_epithelial\_altsplice\_9

j05582mrna\_3910-4100,pancreatic\_mucin\_mrna\_complete\_cds\_

l24893cds\_218-679,myelin\_protein\_zero\_(po)\_gene

all\_m30838\_4028-4631,pulmonary\_surfactant\_apoprotein\_(psap)\_gene\_complete\_cds\_

z48633mrna\_1624-2020,mrna\_for\_retrotransposon

**35**

Metagene 401

d42055\_5178-5718,mrna\_for\_kiaa0093\_gene\_partial\_cds\_

hg3740-ht4010\_at\_hg3740-ht4010\_basic\_transcription\_factor\_2\_34\_kda\_subunit

- 115702\_1778-2279,complement\_factor\_b\_mrna,\_complete\_cds  
 l34673mrna\_2853-3381,atpase,\_dna-binding\_protein\_(hip116)\_mrna,\_3'\_end\_  
 m11717mrna\_2135-2393,heat\_shock\_protein\_(hsp\_70)\_gene,\_complete\_cds\_  
 m93056\_859-1273,monocyte/neutrophil\_elastase\_inhibitor\_mrna\_sequence  
 5 u00957\_1638-2136,clone\_kdb1.2\_(cac)n/(gtg)n\_repeat-containing\_mrna\_  
 u09759\_1308-1830,protein\_kinase\_(jnk2)\_mrna,\_complete\_cds  
 u48736\_1195-1693,serine/threonine-protein\_kinase\_prp4h\_(prp4h)\_mrna,\_complete\_cds  
 v00533mma\_391-915,\_ifna\_gene\_(interferon\_alpha-  
 h2)\_extracted\_fromgene\_for\_leukocyte\_(alpha)\_interfe  
 10 x99920cds\_6-198:in\_reversesequence,\_31-403,mrna\_for\_s100\_calcium-binding\_protein\_a13

## Metagene 39

- d26579\_2683-3205,mrna\_for\_transmembrane\_protein,\_complete\_cds  
 15 hg2663-ht2759\_at\_hg2663-ht2759\_homeotic\_protein\_emx2\_  
 l06797\_1041-1599,(clone\_15)\_orphan\_g\_protein-coupled\_receptor\_mrna,\_complete\_cds\_  
 l08177\_1042-1606,ebv\_induced\_g-protein\_coupled\_receptor\_(ebi2)\_mrna,\_complete\_cds  
 m30773\_1983-2499,calcineurin\_b\_mrna,\_complete\_cds  
 u20758mrna\_885-1437,osteopontin\_gene,\_complete\_cds  
 20 all\_x17042\_689-1158,mrna\_for\_hematopoietic\_proteoglycan\_core\_protein

## Metagene 274

- af015910\_41-433,unknown\_protein\_mrna,\_partial\_cds/gb=af015910\_/ntype=rna  
 25 l13800mrna\_4-397,liver\_expressed\_protein\_gene,\_3'\_end/gb=l13800\_/ntype=rna  
 l14269\_1369-1729,synaptic\_vesicle\_amine\_transporter\_(svat)\_mrna,\_complete\_cds\_  
 m74447mrna\_2012-2510,psf-2\_mrna,\_complete\_cds  
 u10693exon#2\_1196-1553,mage-8\_antigen\_(mage8)\_gene,\_complete\_cds\_  
 u11821\_363-907,fas\_ligand\_(fasl)\_mrna,\_complete\_cds  
 30 x51985cds\_1083-1479:in\_reversesequence,\_1787-1829,lag-3\_mrna\_for\_cd4-  
 related\_protein\_involved\_in\_lym  
 x63454cds\_327-567:in\_reversesequence,\_659-719,hst-2\_(fgf-6)\_mrna  
 y08564cds\_1238-1688,galnac-t4\_gene/gb=y08564\_/ntype=dna\_/annot=cds\_

## 35 Metagene 469

- ab002380\_5644-6142,mrna\_for\_kiaa0382\_gene,\_partial\_cds/gb=ab002380\_/ntype=rna  
 ab003103\_2965-3463,mrna\_for\_proteasome\_subunit\_p55,\_complete\_cds\_

- af007875\_501-  
 1029,dolichol\_monophosphate\_mannose\_synthase\_(dpm1)\_mrna,\_partial\_cds/gb=af007875/\_ntyp  
 all\_d00596\_15645-16192,thymidylate\_syntase\_(ec\_2.1.1.45)\_gene,\_complete\_cds  
 d10522\_2000-2546,mrna\_for\_80k-l\_protein,\_complete\_cds
5. d11094\_973-1345,mrna\_for\_mss1,\_complete\_cds  
 d13627\_1310-1778,mrna\_for\_kiaa0002\_gene,\_complete\_cds  
 d13641\_2748-3216,mrna\_for\_kiaa0016\_gene,\_complete\_cds  
 d26069\_5879-6455,mrna\_for\_kiaa0041\_gene,\_partial\_cds\_  
 d43951\_4874-5264,mrna\_for\_kiaa0099\_gene,\_complete\_cds
- 10 d49493exon#3\_403-811,gene\_forbone\_morphogenetic\_protein-3b  
 d49738\_456-990,cytoskeleton\_associated\_protein\_(cg22)\_mrna,\_complete\_cds\_  
 d78132\_373-907,mrna\_for\_ras\_homologue\_enriched\_in\_brain\_(rheb)\_gene,\_ras-  
 related\_gtp\_binding\_protein  
 d86956\_3139-3589,mrna\_for\_kiaa0201\_gene,\_complete\_cds
- 15 d87127\_2088-2448,mrna\_for\_translocation\_protein-1,\_complete\_cds  
 d87684\_3222-3696,mrna\_for\_kiaa0242\_gene,\_partial\_cds\_  
 j03473mrna\_3212-3752,poly(adp-ribose)\_synthetase\_mrna,\_complete\_cds  
 l40357mrna\_7-463,thyroid\_receptor\_interactor\_(trip7)\_mrna,\_3'\_end\_of\_cds  
 l41887mrna#1\_1773-2277,splicing\_factor\_arginine/serine-rich(sfrs7)\_gene,\_complete\_cds
- 20 l43631\_2189-2753,scaffold\_attachment\_factor\_(saf-b)\_gene,\_partial\_cds\_  
 m11353\_707-1226,h3.3\_histone\_c\_mrna,\_complete\_cds  
 m14764mrna\_2785-3337,nerve\_growth\_factor\_receptor\_mrna,\_complete\_cds\_  
 m93425\_2577-3111,protein\_tyrosine\_phosphatase\_(ptp-pest)\_mrna,\_complete\_cds  
 u14575\_1842-2328,(ard-1)\_mrna,\_complete\_cds
- 25 u28042\_2726-3104,dead\_box\_rna\_helicase-like\_protein\_mrna,\_complete\_cds\_  
 u31814\_1366-1876,transcriptional\_regulator\_homolog\_rpd3\_mrna,\_complete\_cds\_  
 u34252\_2177-2579,gamma-aminobutyraldehyde\_dehydrogenase\_mrna,\_complete\_cds\_  
 u37547\_2931-3477,iap\_homolog\_b\_(mihb)\_mrna,\_complete\_cds\_  
 u41815\_3037-3559,nucleoporin\_98\_(nup98)\_mrna,\_complete\_cds\_  
 u49844\_7699-8095,frap-related\_protein\_(frp1)\_mrna,\_complete\_cds
- 30 u50534\_10101-10671,brca2\_region,\_mrna\_sequence\_cg003\_  
 u59863\_1541-2039,traf-interacting\_protein\_i-traf\_mrna,\_complete\_cds  
 u61234\_986-1490,tubulin-folding\_cofactor\_c\_mrna,\_complete\_cds  
 u73737mrna\_4359-4785,hmsh6\_gene,\_5'\_utr\_and
- 35 u78575\_3124-3634,68\_kda\_type\_i\_phosphatidylinositol-4-phosphate\_5-  
 kinase\_alpha\_mrna,\_clone\_pip5kia1,  
 u79291\_756-1287,clone\_23721\_mrna\_sequence  
 all\_x65488\_2664-3169,u21.1\_mrna



y14140exon\_13-

185,g\_protein\_gene\_encoding\_betasubunit\_exonand\_promoter/gb=y14140\_/ntype=dna\_/annot=e  
all\_z29066\_1451-2035,nek2\_mrna\_for\_protein\_kinase

## 5 Metagene 244

all\_m55419\_2275-2470,amelogenin\_(amely)\_gene\_3'\_end\_of\_cds  
s41458\_3026-3200,\_rod\_cgmp\_phosphodiesterase\_beta-subunit\_[human,\_mrna,\_3231\_nt]  
u11036\_121-553,ibd1\_mrna\_partial\_cds/gb=u11036\_/ntype=ma\_

## 10 all\_z37987\_2052-2198,mrna\_for\_mxr7\_

## Metagene 233

m24283mrna\_2420-2954,major\_group\_rhinovirus\_receptor\_(hrv)\_mrna\_complete\_cds  
15 s62027\_21-320,\_transducin\_gamma\_subunit\_[human,\_mrna,\_408\_nt]  
u37546\_2477-3012,iap\_homolog\_c\_(mihc)\_mrna\_complete\_cds\_  
u46569mrna\_1025-1241:in\_reversesequence,\_300-498,aquaporin-5\_(aqp5)\_gene

## Metagene 8

## 20

all\_d00003\_1681-1721,liver\_cytochrome\_p-450\_mrna\_complete\_cds,liver\_cytochrome\_p-  
450\_mrna\_complete  
d17408\_906-1481,mrna\_for\_calponin\_complete\_cds  
d49490\_1092-1644,mrna\_for\_protein\_disulfide\_isomerase-related\_protein\_(pdir)\_complete\_cds\_

## 25 d64053\_3337-3467,mrna\_for\_protein-tyrosine\_phosphatase\_

d70830\_1610-2018,mrna\_for\_doc2\_beta\_complete\_cds  
hg174-ht174\_at\_hg174-ht174\_desmoplakin\_i\_  
hg2147-ht2217\_at\_hg2147-ht2217\_mucin\_3\_intestinal\_  
hg3502-ht3696\_at\_hg3502-ht3696\_homeotic\_protein\_hox5.4\_

## 30 hg363-ht363\_at\_hg363-ht363\_epidermal\_growth\_factor\_receptor-related\_protein

hg37-ht37\_at\_hg37-ht37\_iron-responsive\_element-binding\_protein\_  
j05158mrna\_2315-2825,carboxypeptidase\_n\_mrna\_3'\_end\_  
all\_j05412\_3866-4062:in\_j05412cds\_411-439,regenerating\_protein\_(reg)\_gene\_complete\_cds\_  
k03207mrna\_286-748:in\_reversesequence,\_772-848,prb4\_locus\_salivary\_proline-

## 35 rich\_protein\_mrna\_comple

l02648\_1312-1852,(clone\_v6)\_transcobalamin\_ii\_(tcn2)\_mrna\_complete\_cds\_  
l10377\_879-1441,(clone\_ctg-b37)\_mrna\_sequence  
l13266\_4056-4630,n-methyl-d-aspartate\_receptor\_(nr1-1)\_mrna\_complete\_cds\_  
l16464\_440-752,ets\_oncogene\_(pep1)\_mrna\_complete\_cds

- l28175\_1375-1933,prostaglandin\_e2\_receptor\_ep2\_subtype\_mrna,\_complete\_cds\_  
l31584exon\_1488-1986,g\_protein-coupled\_receptor\_(ebi\_1)\_gene\_  
m19878cds\_3-  
125:in\_reversesequence,\_1964,calbindin\_27\_gene,\_exonsand\_2,\_and\_alu\_repeat/gb=m19878\_/nt
- 5 m23197\_848-1388,differentiation\_antigen\_(cd33)\_mrna,\_complete\_cds  
m26657\_1861-2430,testicular\_angiotensin\_converting\_enzyme\_mrna,\_complete\_cds\_  
m27318\_365-878,interferon\_(ifn-alpha-m1)\_mrna,\_complete\_cds  
all\_m28439\_261-360,keratin\_typegene  
m30625\_1154-1554,dopamine\_d2\_receptor,\_mrna,\_complete\_cds
- 10 m35531\_2832-3318,gdp-l-fucose:beta-d-galactoside\_2-alpha-l-  
fucosyltransferase\_mrna,\_complete\_cds\_  
m55621\_2074-2452,n-acetylglucosaminyltransferase\_i\_(glcnac-ti)\_mrna,\_complete\_cds  
m58600mrna\_1634-2168,heparin\_cofactor\_ii\_(hcf2)\_gene,\_exonsthrough\_5\_  
all\_m60331\_669-1094:in\_m60331cds\_116,protaminegene,\_complete\_cds\_  
15 m62783\_3069-3453,alpha-n-acetylgalactosaminidase\_mrna,\_complete\_cds  
m64930\_2982-3366,protein\_phosphatase\_2a\_beta\_subunit\_mrna,\_complete\_cds  
m68907\_2-187,tachykinin-a\_(gamma-ppt-a)\_gene,\_partial\_cds/gb=m68907\_/ntype=rna\_  
m83181cds\_918-1206:in\_reversesequence,\_1639-1867,serotonin\_receptor\_gene,\_complete\_cds\_  
s78723mrna#1\_565-991,\_5-ht2ar=serotonin\_5-  
20 ht2a\_receptor\_{promoter}\_{human,\_genomic,\_1678\_nt}  
s80905\_f\_at\_s80905\_s80905,\_4040\_in\_s80905cds\_17-  
1067,\_prb2\_(prb2l\_con1+)=con1\_{exon\_3}\_{human,\_perip  
s82075\_115-283,\_pa4=candidate\_oncogene\_{3'\_region}\_{human,\_hen-16,\_hen-  
16t\_transformed\_endocervical\_  
25 s83308\_920-1400,\_sox5=sry-  
related\_hmg\_box\_gene\_{alternatively\_spliced}\_{human,\_testis,\_mrna,\_1473\_nt  
u02566\_2456-2990,receptor\_tyrosine\_kinase\_tif\_mrna,\_partial\_cds  
u09117\_2164-2536,phospholipase\_c\_deltamrna,\_complete\_cds  
u10099\_938-1435,pom-zp3\_mrna,\_complete\_cds\_  
30 u11791\_662-1160,cyclin\_h\_mrna,\_complete\_cds  
u25041\_at\_u25041\_u25041,not\_in\_gb\_record,5c5\_mrna,\_putative\_complete\_cds  
u27699\_2929-3349,pephbgt-1\_betaine-gaba\_transporter\_mrna,\_complete\_cds\_  
u31216\_3168-3641,metabotropic\_glutamate\_receptorbeta\_(mglur1beta)\_mrna,\_complete\_cds  
all\_u33447\_1311-1888,putative\_g-protein-coupled\_receptor\_(gpr17)\_gene,\_complete\_cds  
35 u40279cds\_70-574,beta-2\_integrin\_alphad\_subunit\_(itgad)\_gene,\_exons\_25-  
30,\_and\_partial\_cds/gb=u40279  
u46752\_1476-1872,phosphotyrosine\_independent\_ligand\_p62b\_b-  
cell\_isoform\_for\_the\_lck\_sh2\_domain\_mrna,

- u47334\_7-307,gamma\_aminobutyric\_acid\_receptor\_beta4\_subunit-  
like\_mrna,\_partial\_cds/gb=u47334\_/ntype=  
u57650\_4714-5224,sh2-containing\_inositol\_5-phosphatase\_(hship)\_mrna,\_complete\_cds  
u77975\_1042-1420,hepatocyte\_nuclear\_factor(hnf-6)\_mrna,\_partial\_cds\_
- 5 u79725\_2240-2744,a33\_antigen\_precursor\_mrna,\_complete\_cds  
all\_x02958\_1064-1245,interferon\_alpha\_gene\_ifn-alpha\_6\_  
all\_x13444\_852-1357,mrna\_for\_cd8\_beta-chain\_glycoprotein\_(cd8\_beta.1)  
x56687cds\_1698-2154:in\_reversesequence,\_2348,mrna\_for\_autoantigen\_nor-90  
x57110mrna\_2510-2998,mrna\_for\_c-cbl\_proto-oncogene.
- 10 all\_x60299\_3486-4065,kalig-1\_mrna\_for\_neural\_cell\_adhesion\_and\_axonal\_path-  
finding\_molecule\_homologu  
x70083mrna\_166-460,abp-280-like\_mrna\_for\_filamin\_(695\_bps)/gb=x70083\_/ntype=rna  
x76132mrna\_4097-4583,dcc\_mrna  
x79510cds\_3165-3459:in\_reversesequence,\_3839-3971,mrna\_for\_protein-tyrosine-phosphatase\_d1
- 15 all\_x80026\_1785-2363,b-cam\_mrna  
all\_x81882\_2153-2682,mrna\_for\_for\_vasopressin\_activated\_calcium\_mobilizing\_receptor-  
like\_protein\_  
x82324cds\_866-1055:in\_reversesequence,\_1096-1450,brainmrna\_  
x82877cds\_1533-1809:in\_reversesequence,\_3974-4118,na+-d-glucose\_cotransport\_regulator\_gene
- 20 x86371cds\_2629-3129,mrna\_for\_tumour\_suppressor\_protein,\_hugl\_  
x91348mrna\_893-1211,predicted\_non\_coding\_cdna\_(dgcr5)  
y10936\_637-1027,mrna\_for\_hypothetical\_protein\_downstream\_of\_dmpk\_and\_dmahp\_  
y13153\_1404-1950,mrna\_for\_kynurenine\_3-monooxygenase/gb=y13153\_/ntype=rna\_  
all\_z80787\_563-700,h4/j\_gene.
- 25 Metagene 348
- ab005535\_1056-1635,mrna\_for\_clock,\_partial\_cds/gb=ab005535\_/ntype=rna\_  
ad000684cds#1\_934-1252:in\_reversesequence,\_16809-17037,\_lisch7\_gene\_(liver-specific\_bhlh-  
zip\_transcr
- 30 d26068\_2056-2398,mrna\_for\_kiaa0038\_gene,\_partial\_cds\_  
d26362\_2475-2985,mrna\_for\_kiaa0043\_gene,\_complete\_cds  
d26561cds#4\_3-  
237:in\_reversesequence,\_4010:not\_in\_gb\_record,\_orf\_for\_l1\_protein\_gene\_extracted\_fromp
- 35 d29013\_664-1234,mrna\_for\_dna\_polymerase\_beta,\_complete\_cds\_  
d31886\_3076-3592,mrna\_for\_kiaa0066\_gene,\_partial\_cds\_  
d38293\_2926-3400,mrna\_for\_clathrin-like\_protein,\_complete\_cds  
d44466\_2575-3115,mrna\_for\_proteasome\_subunit\_p112,\_complete\_cds  
d50525mrna\_3316-3886,mrna\_for\_ti-227h/gb=d50525\_/ntype=rna\_

- d63486\_5877-6267,mrna\_for\_kiaa0152\_gene,\_complete\_cds  
d63881\_3840-4278,mrna\_for\_kiaa0160\_gene,\_partial\_cds\_  
d64154\_786-1254,mrna\_for\_mr\_110,000\_antigen,\_complete\_cds  
d78156cds\_888-1140:in\_reversesequence,\_2058-
- 5** 2292,mrna\_for\_rasgtpase\_activating\_protein,\_partial\_cds\_  
d80002\_4430-4938,mrna\_for\_kiaa0180\_gene,\_partial\_cds\_  
d82348\_1479-1947,mrna\_for\_5-aminoimidazole-4-carboxamide-1-beta-d-  
ribonucleoti\_de\_transformylase/ino  
d85758\_214-748,mrna\_forprotein\_homologous\_to\_droer\_protein,\_complete\_cds
- 10** d86979\_5308-5842,mrna\_for\_kiaa0226\_gene,\_complete\_cds  
d90084exon#10-8\_36-41,pyruvate\_dehydrogenase\_(ec\_1.2.4.1)\_alpha\_subunit\_gene,\_exons\_11-jan\_  
hg110-ht110\_s\_at\_hg110-ht110\_heterogeneous\_nuclear\_ribonucleoprotein\_a/b\_  
hg1869-ht1904\_at\_hg1869-ht1904\_male\_enhanced\_antigen\_  
hg2274-ht2370\_at\_hg2274-ht2370\_rna\_polymerase\_ii,\_14.5\_kda\_subunit\_  
**15** hg662-ht662\_at\_hg662-ht662\_epstein-barr\_virus\_small\_rna-associated\_protein\_  
j04611\_1533-2061,lupus\_p70\_(ku)\_autoantigen\_protein\_mrna,\_complete\_cds\_  
k03515mrna\_1392-1938,neuroleukin\_mrna,\_complete\_cds  
102426\_1040-1556,26s\_protease\_(s4)\_regulatory\_subunit\_mrna,\_complete\_cds\_  
116896\_1717-2257,zinc\_finger\_protein\_mrna,\_complete\_cds
- 20** 120773\_1025-1517,mrna\_in\_the\_region\_near\_the\_btk\_gene\_involved\_in\_a-gamma-globulinemia  
125851\_3332-3812,integrin\_alpha\_e\_mrna,\_complete\_cds  
137127mrna\_73-553,(clone\_mf.18)\_rna\_polymerase\_ii\_mrna,\_complete\_cds  
m24398mrna\_522-970,parathymosin\_mrna,\_complete\_cds\_  
m25077mrna\_1310-1712:in\_reversesequence,\_1760-1826,ss-
- 25** a/ro\_ribonucleoprotein\_autoantigen\_60\_kd\_subun  
m58028mrna\_2999-3401,ubiquitin-activating\_enzyme\_e1\_(ubel)\_mrna,\_complete\_cds  
m84332exon#4\_764-1226:in\_reversesequence,\_2337-2397,adp-ribosylation\_factorgene  
u12465\_19-367,ribosomal\_protein\_l35\_mrna,\_complete\_cds\_  
u21090\_1109-1541,dna\_polymerase\_delta\_small\_subunit\_mrna,\_complete\_cds\_  
**30** u56418\_785-1313,lysophosphatidic\_acid\_acyltransferase-beta\_mrna,\_complete\_cds  
u79716\_11015-11537,reelin\_(reln)\_mrna,\_complete\_cds  
u81554\_431-839,cam\_kinase\_ii\_isoform\_mrna,\_complete\_cds/gb=u81554\_/ntype=mrna\_  
u86602\_772-1240,nucleolar\_protein\_p40\_mrna,\_complete\_cds\_  
u90426\_959-1439,nuclear\_rna\_helicase,\_complete\_cds\_  
**35** u90915\_122-674,clone\_23600\_cytochrome\_c\_oxidase\_subunit\_iv\_mrna,\_complete\_cds  
all\_x14346\_1969-2534,mrna\_for\_eosinophil\_peroxidase  
x52851mrna\_152-  
692,\_peptidylprolyl\_isomerase\_gene\_extracted\_fromcyclophilin\_gene\_for\_cyclophilin\_(ec  
x58401mrna\_356-900,12-9\_transcript\_of\_unrearranged\_immunoglobulin\_v(h)5\_pseudogene.

- x59543mrna\_2500-3016,mrna\_for\_m1\_subunit\_of\_ribonucleotide\_reductase\_  
all\_x60486\_394-737,h4/g\_gene\_for\_h4\_histone  
all\_x69141\_1444-1997,mrna\_for\_squalene\_synthase  
z21507cds\_424-802:in\_reversesequence,\_901-955,ef-1delta\_gene\_encodingelongation\_factor-1-  
**5** delta\_  
Metagene 220
- d13631\_2795-3373,mrna\_for\_kiaa0006\_gene,\_complete\_cds  
**10** d16581\_42-552,mrna\_for\_8-oxo-dgtpase,\_complete\_cds\_  
d30755\_1189-1633,mrna\_for\_kiaa0113\_gene,\_partial\_cds\_  
d38048\_391-919,mrna\_for\_proteasome\_subunit\_z,\_complete\_cds\_  
d49818\_1445-1919,mrna\_for\_fructose\_6-phosphate,2-kinase/fructose\_2,6-  
bisphosphatase,\_partial\_cds\_  
**15** d63487\_2889-3369,mrna\_for\_kiaa0153\_gene,\_partial\_cds\_  
hg3989-ht4259\_at\_hg3989-ht4259\_cpg-enriched\_dna\_clone\_e14\_  
j04948mrna\_1898-2432,alkaline\_phosphatase\_(alp-1)\_mrna,\_complete\_cds\_  
i16862\_2289-2763,g\_protein-coupled\_receptor\_kinase\_(grk6)\_mrna,\_complete\_cds\_  
i19605\_1483-1915,56k\_autoantigen\_annexin\_xi\_gene\_mrna,\_complete\_cds\_  
**20** i33801\_860-1334,protein\_kinase\_mrna,\_complete\_cds\_  
i38593mrna#1\_2-200,integral\_membrane\_protein\_(nramp1)\_gene\_exon\_5  
i42243exon#2\_2604-3066,\_ifnar2\_gene\_(interferon\_receptor)\_extracted\_from(clone\_q-  
2od3)\_interferon\_re  
m15796\_660-1152,cyclin\_protein\_gene,\_complete\_cds  
**25** m25897mrna\_40-359,platelet\_factor(pf4)\_mrna,\_complete\_cds\_  
m28211\_176-650,gtp-binding\_protein\_(rab4)\_mrna,\_complete\_cds\_  
all\_m32639\_3894-4064,salivary\_statherin\_gene,\_5'\_flank\_  
m55671mrna\_968-1448,protein\_z\_(plus\_66\_bp\_insertion)\_mrna,\_complete\_cds\_  
m63589mrna#1\_4159-4573,stem\_cell\_leukemia\_gene\_product\_  
**30** s66431\_5869-6361,\_rbp2=retinoblastoma\_binding\_protein[human,\_nalm-6\_pre-  
b\_cell\_leukemia,\_mrna,\_6455\_  
s74221\_317-  
695,\_ik=ik\_factor\_[human,\_leukemic\_cells\_k562,\_chronic\_myeloid\_leukemia\_patient,\_mrna,\_75  
u03634\_1244-1652,p47\_lbc\_oncogene\_mrna,\_complete\_cds\_  
**35** u05255\_159-261,glycophorin\_hep2\_mrna,\_partial\_cds,glycophorin\_hep2\_mrna,\_partial\_cds  
u20499exon#10\_185-431,thermolabile\_phenol\_sulfotransferase\_(stm)\_gene,\_complete\_cds  
u27325\_712-1266,thromboxane\_a2\_receptor\_mrna,\_complete\_cds\_  
u32315\_1374-1842,syntaxinmrna,\_complete\_cds\_  
u43203\_1561-2060,thyroid\_transcription\_factor(ttf-1)\_mrna,\_complete\_cds\_

- u43753exon\_9-237:not\_in\_gb\_record,frataxin\_(frda)\_gene\_promoter\_region\_and  
u56085\_2568-3048,periodic\_ tryptophan\_protein(pwp2)\_mrna,\_complete\_cds\_  
u79299\_988-1462,neuronal\_olfactomedin-related\_er\_localized\_protein\_mrna,\_partial\_cds.  
u82306\_135-225,unknown\_protein\_mrna,\_partial\_cds/gb=u82306\_/ntype=rna
- 5** u86782\_591-1077,26s\_proteasome-  
associated\_pad1\_homolog\_(poh1)\_mrna,\_complete\_cds/gb=u86782\_/ntype=rn  
u88871\_910-1312,hspex7p\_(hspex7)\_mrna,\_complete\_cds  
u89606\_521-917,pyridoxal\_kinase\_mrna,\_complete\_cds.  
u96094\_193-667,sarcolipin\_(sln)\_mrna,\_complete\_cds.
- 10** x56253mrna\_1914-2274,mpr46\_gene\_for\_46kd\_mannose\_6-phosphate\_receptor\_  
x61587mrna\_701-1259,rhog\_mrna\_for\_gtpase\_  
all\_x78549\_1912-2186,brk\_mrna\_for\_tyrosine\_kinase  
x95384\_435-807,mrna\_for\_unknown\_14kda\_protein  
x99720mrna\_1458-1944,tprc\_gene
- 15** z18948exon#3\_69-465,mrna\_for\_s100e\_calcium\_binding\_protein\_  
z48804mrna\_1006-1528,mrna\_(ocular\_albinism\_typerelated)\_
- Metagene 147
- 20** all\_ac000061\_18132-57268:in\_ac000061cds#1\_720-  
760,\_wugsc:h\_133k23.1c\_gene\_extracted\_frombac\_clone\_13  
ac000062\_110059-110206:in\_all\_ac000062\_109961-109993,pac\_clone\_2g3a\_from\_13q12-13q13  
d50640exon\_700-1132,dna\_for\_phosphodiesterase\_3b\_
- 25** Metagene 412
- d87462\_3013-3403,mrna\_for\_kiaa0272\_gene,\_partial\_cds\_  
d89858\_671-1157,mrna\_for\_d-aspartate\_oxidase,\_complete\_cds\_  
m10050mrna\_25-424,liver\_fatty\_acid\_binding\_protein\_(fabp)\_mrna,\_complete\_cds\_
- 30** u63717\_402-852,osteoclast\_stimulating\_factor\_mrna,\_complete\_cds
- Metagene 128
- d31765\_3735-4191,mrna\_for\_kiaa0061\_gene,\_partial\_cds\_  
**35** d84239\_15949-16339,mrna\_for\_igg\_fc\_binding\_protein,\_complete\_cds\_  
hg36-ht4101\_s\_at\_hg36-ht4101\_polymyositis/scleroderma\_(pm-scl)\_autoantigen,\_altsplice\_2  
l10665mrna\_1623-2049,gtp-binding\_protein\_superfamily,\_g\_protein\_alpha-  
olf\_subunit\_(olfactory)\_mrna,\_  
l13203\_1536-2064,hnf-3/fork-head\_homolog-3\_hfh-3\_mrna,\_complete\_cds

- l34075\_7342-7912,fbp-rapamycin\_associated\_protein\_(frap)\_mrna,\_complete\_cds\_  
all\_m10942\_421-1762,metallothionein-ie\_gene\_(hmt-ie)\_  
m21389mrna\_1754-2192,keratin\_type\_ii\_(58\_kd)\_mrna,\_complete\_cds  
m21812\_61-592,(clone\_pwhlc2-24)\_myosin\_light\_chainmrna,\_complete\_cds
- 5** m57399\_434-998,nerve\_growth\_factor\_(hbnf-1)\_mrna,\_complete\_cds\_  
m96803\_6960-7482,general\_beta-spectrin\_(sptbn1)\_mrna,\_complete\_cds\_  
u06863\_1416-1938,follistatin-related\_protein\_precursor\_mrna,\_complete\_cds\_  
u08815\_2346-2676,splicesomal\_protein\_(sap\_61)\_mrna,\_complete\_cds\_
- 10** Metagene 460
- m62994\_1478-1964,thyroid\_autoantigen\_(truncated\_actin-binding\_protein)\_mrna,\_complete\_cds\_  
u00968\_3595-4069,srebp-1\_mrna,\_complete\_cds  
u53468\_862-1390,nadh:ubiquinone\_oxidoreductase\_subunit\_b13\_(b13)\_mrna,\_complete\_cds
- 15** u79751\_2171-2615,basic-leucine\_zipper\_nuclear\_factor\_(jem-  
1)\_mrna,\_complete\_cds/gb=u79751\_/ntype=rna  
x14885mrna\_2506-2558,gene\_for\_transforming\_growth\_factor-beta(tgf-  
beta\_3)\_exon(and\_joined\_cds)
- 20** Metagene 179
- d42138\_1371-1833,mrna\_for\_pig-b,\_complete\_cds  
d45132\_5577-6099,kidney\_mrna\_for\_zinc-finger\_dna-binding\_protein,\_complete\_cds\_  
hg3914-ht4184\_s\_at\_hg3914-ht4184\_cell\_division\_cycle\_protein\_2-related\_protein\_kinase\_(pisslre)
- 25** hg4144-ht4414\_at\_hg4144-ht4414\_zinc\_finger\_protein\_hzf6  
l10333mrna\_2590-3166,neuroendocrine-specific\_protein\_a\_(nsp)\_mrna,\_complete\_cds\_  
m31328mrna\_1054-1480,guanine\_nucleotide-binding\_protein\_beta-3\_subunit\_mrna,\_complete\_cds  
m96944\_2724-3252,b-cell\_specific\_transcription\_factor\_(bsap)\_mrna,\_complete\_cds  
u25138\_676-1168,maxik\_potassium\_channel\_beta\_subunit\_mrna,\_complete\_cds
- 30** u57629\_2195-2735,retinitis\_pigmentosa\_gtpase\_regulator\_(rpgr)\_mrna,\_complete\_cds\_  
u68494\_1290-1764,hbc647\_mrna\_sequence  
u80457\_2243-2645,transcription\_factor\_sim2\_short\_form\_mrna,\_complete\_cds\_  
x59842mrna\_2321-2861,pbx2\_mrna  
all\_y07759\_5956-6377,mrna\_for\_myosin\_heavy\_chain\_12
- 35** all\_y08976\_956-1548,mrna\_for\_fev\_protein\_  
z50115cds\_1782-2011:in\_reversesequence,\_2181-  
2473,mrna\_for\_thimet\_oligopeptidase\_(metalloproteinase)
- Metagene 438

- ab000115\_1469-1973,\_complete\_cds  
d14664\_3255-3639,mrna\_for\_kiaa0022\_gene,\_complete\_cds  
d26361\_5991-6543,mrna\_for\_kiaa0042\_gene,\_complete\_cds
- 5** l38951mrna\_3611-4151,importin\_beta\_subunit\_mrna,\_complete\_cds\_  
l40399mrna\_993-1467,(clone\_s240ii117/zap112)\_mrna,\_complete\_cds\_  
m15353mrna\_1277-1769,cap-binding\_protein\_mrna,\_complete\_cds\_  
m69043\_985-1459,mad-3\_mrna\_encoding\_ikb-like\_activity,\_complete\_cds\_  
u05040\_1814-2282,fuse\_binding\_protein\_mrna,\_complete\_cds\_
- 10** u08998\_962-1280,tar\_rna\_binding\_protein(trbp2)\_mrna,\_complete\_cds\_  
u22431\_3070-3644,hypoxia-inducible\_factoralpha\_(hif-1\_alpha)\_mrna,\_complete\_cds\_  
u41515\_61-397,deleted\_in\_split\_hand/split\_foot(dss1)\_mrna,\_complete\_cds\_  
u43522\_3580-4072,cell\_adhesion\_kinase\_beta\_(cakbeta)\_mrna,\_complete\_cds  
u44111mrna\_1108-1642,histamine\_n-methyltransferase\_(hnmt)\_gene\_
- 15** u51166\_2941-3361,g/t\_mismatch-specific\_thymine\_dna\_glycosylase\_mrna,\_complete\_cds  
u70063\_1750-2266,acid\_ceramidase\_mrna,\_complete\_cds  
all\_x83228\_3359-3561,mrna\_for\_li-cadherin  
z79581exon\_19-226,laz3/bcl6\_gene,\_first\_non\_coding\_exon
- 20** Metagene 297
- l41690\_906-1332,tnf\_receptor-1\_associated\_protein\_(tradd)\_mrna,\_3'\_end\_of\_cds\_  
s78693\_2-40,\_alpha\_creb-1=cyclic\_amp\_response\_element-binding\_protein-  
1\_alpha\_isoform\_{alternatively
- 25** x05153mrna\_264-678,\_alpha-lactalbumin\_precursor\_gene\_extracted\_fromalpha-lactalbumin\_gene\_  
all\_x06956\_5299-5359,halpha44\_gene\_for\_alpha-tubulin,\_exons\_3-jan
- Metagene 471
- 30** d21852\_3671-4241,mrna\_for\_kiaa0029\_gene,\_partial\_cds\_  
d25303\_2993-3539,mrna\_for\_integrin\_alpha\_subunit,\_complete\_cds\_  
d25538\_5613-6147,mrna\_for\_kiaa0037\_gene,\_complete\_cds  
d28791exon\_1763-2267,pig-a\_gene,\_5'\_flanking\_region\_and  
d30758\_1965-2469,mrna\_for\_kiaa0050\_gene,\_complete\_cds
- 35** d42041\_3435-3771,mrna\_for\_kiaa0088\_gene,\_partial\_cds\_  
d50911\_3298-3718,mrna\_for\_kiaa0121\_gene,\_complete\_cds  
d63506\_1940-2435,mrna\_for\_unc-18homologue,\_complete\_cds  
d79983\_5024-5498,mrna\_for\_kiaa0161\_gene,\_complete\_cds  
d80003\_6029-6395,mrna\_for\_kiaa0181\_gene,\_partial\_cds\_



- d83032\_6016-6364,mrna\_for\_nuclear\_protein\_np220\_complete\_cds\_  
d83777\_4475-5003,mrna\_for\_kiaa0193\_gene\_complete\_cds  
d86962\_5028-5328,mrna\_for\_kiaa0207\_gene\_complete\_cds  
d86969\_4436-4886,mrna\_for\_kiaa0215\_gene\_complete\_cds  
**5** j03161mrna\_3636-4122,serum\_response\_factor(srf)\_mrna\_complete\_cds  
j03779mrna\_4985-  
5459,common\_acute\_lymphoblastic\_leukemia\_antigen(calla)\_mrna\_complete\_cds  
119067\_2335-2419,nf-kappa-b\_transcription\_factor\_p65\_subunit\_mrna\_complete\_cds  
129218mrna\_1408-1894,clk2\_mrna\_complete\_cds  
**10** 135035mrna\_629-1079,ribose\_5-phosphate\_isomerase(rpi)\_mrna\_  
135240cds\_1065-1323:in\_reversesequence\_1431-1533,enigma\_gene\_complete\_cds\_  
all\_m16505\_6015-6520,steroid\_sulfatase(sts)\_mrna\_complete\_cds  
m23161\_3287-3791,transposon-like\_element\_mrna  
m29550\_2005-2317,calcineurin\_a1\_mrna\_complete\_cds\_  
**15** m33552mrna\_1042-1546,lymphocyte-specific\_protein(lsp1)\_mrna\_complete\_cds\_  
m34057\_4720-5044,transforming\_growth\_factor-betabinding\_protein\_mrna\_complete\_cds  
m87770\_3759-4125,fibroblast\_growth\_factor\_receptor(k-sam)\_mrna\_complete\_cds  
u02031\_3660-4182,sterol\_regulatory\_element\_binding\_protein-2\_mrna\_complete\_cds  
u16660\_685-1153,peroxisomal\_enoyl-coa\_hydratase-like\_protein(hpxel)\_mrna\_complete\_cds  
**20** u35376\_2006-2254,represor\_transcriptional\_factor(znf85)\_mrna\_complete\_cds\_  
u58048\_1891-2431,metallopeptidase\_prsm1\_mrna\_complete\_cds\_  
u73524\_1866-2304,putative\_atp/gtp-binding\_protein(heab)\_mrna\_complete\_cds  
u78556\_2774-  
3248,cisplatin\_resistance\_associated\_alpha\_protein(hcra\_alpha)\_mrna\_complete\_cds\_  
**25** all\_x16396\_1543-2102,mrna\_for\_nad-  
dependent\_methylene\_tetrahydrofolate\_dehydrogenase\_cyclohydrolase\_  
all\_x77744\_1467-1750,fl1\_mrna  
x90780mrna\_255-765,cardiac\_troponin\_i\_gene\_exonsto\_5  
all\_z48481\_2878-3347,mrna\_for\_membrane-type\_matrix\_metalloproteinase\_1\_  
**30**  
Metagene 439  
  
d13645\_1517-2027,mrna\_for\_kiaa0020\_gene\_complete\_cds  
v00542mrna\_375-902,\_messenger\_rna\_forleukocyte(alpha)\_interferon  
**35** all\_x62822\_2104-2645,gene\_encoding\_beta-galactoside\_alpha-2,6-sialyltransferase  
  
Metagene 256  
  
hg210-ht210\_s\_at\_hg210-ht210\_galactokinase

- j02923\_2574-3132,65-kilodalton\_phosphoprotein\_(p65)\_mrna,\_complete\_cds\_  
 i04270\_1613-  
 2111,(clone\_cd18)\_tumor\_necrosis\_factor\_receptorrelated\_protein\_mrna,\_complete\_cds\_  
 i06633\_1153-1669,transcription\_factor\_mrna,\_complete\_cds\_  
 5 m14219\_1375-  
 1753,chondroitin/dermatan\_sulfate\_proteoglycan\_(pg40)\_core\_protein\_mrna,\_complete\_cds  
 m21624mrna\_603-1149,t-cell\_receptor\_delta\_chain\_mrna\_(vjc-region),\_complete\_cds  
 m76766\_679-1129,transcription\_factor\_(tfiib)\_mrna,\_complete\_cds  
 u88964\_130-568,hem45\_mrna,\_complete\_cds  
 10  
 Metagene 235  
 hg67-ht67\_f\_at\_hg67-ht67\_zinc\_finger\_protein\_  
 m18728mrna\_1932-2460,nonspecific\_crossreacting\_antigen\_mrna,\_complete\_cds  
 15 m29540\_2616-2949,carcinoembryonic\_antigen\_mrna\_(cea),\_complete\_cds\_  
 m36803exon\_142-352:not\_in\_gb\_record,hemopexin\_gene  
 m55284\_1800-2364,protein\_kinase\_c-l\_(prkcl)\_mrna,\_complete\_cds\_  
 u13913\_3871-4120,large-conductance\_calcium-  
 activated\_potassium\_channel\_(hslo)\_mrna,\_complete\_cds\_  
 20 u34879mrna\_1628-2073,17-beta-hydroxysteroid\_dehydrogenase\_(edh17b2)\_gene,\_complete\_cds  
 u69140\_297-846,zygini\_mrna,\_partial\_cds\_  
 Metagene 375  
 25 m37981\_1751-1829,alpha-  
 3\_neuronal\_nicotinic\_acetylcholine\_receptor\_subunit\_mrna,\_complete\_cds  
 m74290\_1261-1741,substance\_p\_receptor\_protein\_mrna\_  
 m76729\_6573-7077,pro-alpha-1\_(v)\_collagen\_mrna,\_complete\_cds\_  
 s46622\_1569-2055,\_calcineurin\_a\_catalytic\_subunit\_[human,\_testis,\_mrna,\_2134\_nt]  
 30 u10473\_333-895,clone\_p4betagt/3\_beta-1,4-  
 galactosyltransferase\_mrna,\_partial\_cds/gb=u10473\_/ntype=m  
 u16720mrna\_959-1508,interleukin(il10)\_gene,\_complete\_cds  
 u28015\_1201-1351,cysteine\_protease\_(icerel-iii)\_mrna,\_complete\_cds\_  
 u80184mrna\_3661-4093,flii\_gene,\_complete\_cds\_  
 35 u89336exon#46-49\_2-  
 143:in\_fullsequence\_26932:,\_unknown\_gene\_extracted\_fromhla\_iii\_region\_containing  
 x52221mrna\_1674-2244,ercc2\_gene,\_exons&(partial)\_  
 x69090\_4322-4880,mrna\_for\_skeletal\_muscle\_190kd\_protein  
 x76302exon#3\_386-923,ry-1\_mrna\_for\_putative\_nucleic\_acid\_binding\_protein\_

x91141mrna\_2412-2904,mrna\_for\_rabaptin-5\_protein\_  
all\_x91249\_2428-2855,mrna\_for\_white\_gene\_protein\_

#### Metagene 107

5

d00591exon#14\_597-1041,rcc1\_gene\_complete\_cds\_  
d28114\_780-1278,mrna\_for\_mobp(myelin-  
associated\_oligodendrocytic\_basic\_protein),\_complete\_cds\_clon  
d50532\_839-1283,mrna\_for\_macrophage\_lectin\_2\_complete\_cds\_  
10 d56495\_1102-1600,mrna\_for\_reg-related\_sequence\_derived\_peptide-2\_  
l21993\_1527-2013,adenylyl\_cyclase\_mrna,\_3'\_end\_of\_cds  
m32313mrna\_1537-2047,steroid\_5-alpha-reductase\_mrna\_complete\_cds  
all\_z46788\_1637-2082,mrna\_for\_cylicin\_ii\_

#### 15 Metagene 209

all\_d11139\_1902-2407,gene\_for\_tissue\_inhibitor\_of\_metalloproteinases,\_partial\_sequence\_  
d12775\_3124-3662,mrna\_for\_erythrocyte-specific\_AMP\_deaminase\_complete\_cds\_  
d88799\_43-379,mrna\_for\_cadherin,\_partial\_cds/gb=d88799/\_ntype=rna\_

#### 20 hg4263-ht4533\_at\_hg4263-ht4533\_nkr-pla\_protein\_

m32598cds\_2214-2448:in\_reversesequence,\_146-  
368,muscle\_glycogen\_phosphorylase(pygm)\_gene\_  
m80397\_2847-3368,dna\_polymerase\_delta\_catalytic\_subunit\_mrna\_complete\_cds\_  
s42457\_2418-2814,\_cncg=rod\_photoreceptor\_cgmp-

#### 25 gated\_channel[human,\_retina,\_mrna,\_2857\_nt]

s81916\_98-  
146,\_phosphoglycerate\_kinase\_{alternatively\_spliced},[human,\_phosphoglycerate\_kinase\_defic  
u40371\_2129-2591,3',5'\_cyclic\_nucleotide\_phosphodiesterase(hspdelc1a)\_mrna\_complete\_cds\_  
u41813\_816-1290,i\_homeoprotein(hoxa9)\_mrna,\_partial\_cds\_

#### 30 u72514\_405-837,c2f\_mrna\_complete\_cds

x62055cds\_1413-1767:in\_reversesequence,\_2028-2232,ptp1c\_mrna\_for\_protein-  
tyrosine\_phosphatase\_1c\_

#### Metagene 341

35

u17033\_5092-5578,180\_kda\_transmembrane\_pla2\_receptor\_mrna\_complete\_cds  
u77949\_2079-2622,cdc6-related\_protein(hscdc6)\_mrna\_complete\_cds

#### Metagene 82

- ab000460\_4262-4724, clone\_res4-22b, complete\_cds  
 af007551\_16-574, bet1p\_homolog (hbet1) mRNA, complete\_cds/gb=af007551\_/ntype=mRNA\_  
 d12763\_882-1314, mRNA\_for\_st2\_protein
- 5** d21337\_5825-6353, mRNA\_for\_collagen\_  
 d31797exon\_752-1274, cd40\_ligand (cd40l) gene, 5' flanking region and  
 d84276\_909-1185:in\_reversesequence, 1299-1305, mRNA\_for\_cd38, complete\_cds\_  
 d87024cds#5\_85-283:in\_reversesequence, 2475-  
 39492, (lambda) DNA\_for\_immunoglobulin\_light\_chain\_
- 10** d87119\_3614-4160, cancellous\_bone\_osteoblast\_mRNA\_for\_gs3955, complete\_cds  
 l14542\_664-982, lectin-like\_type\_ii\_integral\_membrane\_protein (nkg2-e) mRNA, complete\_cds\_  
 l32140\_1681-2227, afamin\_mRNA, complete\_cds\_  
 l41870\_4412-4814, retinoblastoma\_susceptibility\_protein (rb1) mRNA\_and\_mutations\_  
 m27394cds\_459-860:in\_reversesequence, 1054-1101, b-lymphocyte\_cell-  
 surface\_antigen\_b1 (cd20)\_
- 15** m77698\_1764-2310, gli-kruppel\_related\_protein (yy1) mRNA, complete\_cds\_  
 u03105\_1538-1916, b4-2\_protein\_mRNA, complete\_cds\_  
 u41344mRNA\_1478-1988, prolargin (prelp) gene, 5' flanking\_sequence\_and  
 u73499mRNA\_29-200, hepatic\_nuclear\_factor\_1-alpha (tcf-1-  
 alpha) gene, promoter\_region\_and\_partial\_cds
- 20** x51804cds\_400-532:in\_reversesequence, 820-1162, pmi\_gene\_for\_a\_putative\_receptor\_protein\_  
 y10204mRNA\_49-505, mRNA\_for\_cd77\_protein/gb=y10204\_/ntype=mRNA\_  
 Metagene 440
- 25** d10925\_1613-2123, mRNA\_for\_hm145  
 u29680\_251-659, a1\_protein\_mRNA, complete\_cds\_  
 u45878\_2591-2689, inhibitor\_of\_apoptosis\_proteinmRNA, complete\_cds\_  
 Metagene 485
- 30** d87682\_5800-6286, mRNA\_for\_kiaa0241\_gene, partial\_cds\_  
 d87742\_5513-5921, mRNA\_for\_kiaa0268\_gene, partial\_cds\_  
 d89050\_691-1219, mRNA\_for\_lectin-like\_oxidized\_ldl\_receptor, complete\_cds\_  
 l20688\_864-1188, gdp-dissociation\_inhibitor\_protein (ly-gdi) mRNA, complete\_cds\_  
 m31158\_2670-3216, camp-dependent\_protein\_kinase\_subunit\_rii-beta\_mRNA, complete\_cds\_  
 u63542\_303-750, putative\_fap\_protein\_mRNA, partial\_cds\_  
 u95740mRNA#2\_1995-  
 2457, 362g6.1\_gene (unknown\_protein\_cit987sk\_362g6\_1) extracted\_from\_chromosome\_16p

all\_x05409\_1388-1965,ma\_for\_mitochondrial\_aldehyde\_dehydrogenase\_i\_aldh\_i(ec\_1.2.1.3)

#### Metagene 308

- 5** u14518\_859-1315,centromere\_protein-a\_(cenp-a)\_mrna,\_complete\_cds\_  
u31116\_1448-2012,beta-sarcoglycan\_a3b\_mrna,\_complete\_cds\_  
all\_u58675\_25626-39844,\_or17-  
228\_gene\_extracted\_fromolfactory\_receptor\_gene\_cluster\_on\_chromosome\_17  
u64573exon\_58-
- 10** 164,connexin43\_gap\_junction\_protein\_(connexin43)\_gene,\_exonand\_promoter\_region/gb=u645  
all\_x99142\_1281-1702,ma\_for\_hair\_keratin,\_hkb6\_

#### Metagene 140

- 15** ab002365\_5053-5617,ma\_for\_kiaa0367\_gene,\_partial\_cds/gb=ab002365\_/ntype=rna  
hg3729-ht3999\_f\_at\_hg3729-ht3999\_homeotic\_protein\_hpx-5  
107077\_3277-3661,enyol-coa:\_hydratase\_3-hydroxyacyl-  
coa\_dehydrogenase\_(ehhadh)\_mrna,\_complete\_cds\_wi  
111353\_1698-2202:in\_reversesequence,\_2208-2214,moesin-ezrin-radixin-  
**20** like\_protein\_mrna,\_complete\_cds\_  
all\_112052\_3408-3871,camp\_phosphodiesterase\_mrna,\_3'\_end\_  
127050\_1166-1508,apolipoprotein\_f\_(apof)\_mrna,\_complete\_cds  
136847cds\_1044-1578,(clone\_p17/90)\_rearranged\_iduronate-2-  
sulphatase\_homologue\_gene/gb=136847\_/ntype
- 25** 176569mrna\_6762-  
7284,(clones\_cyg3,\_b5p6c4)\_fragile\_x\_e\_mental\_retardation\_syndrome\_protein\_(fmr2)\_mr  
m21535\_2603-3101,\_m17390erg\_protein\_(ets-related\_gene)\_mrna,\_complete\_cds  
u28687\_1710-1983,zinc\_finger\_containing\_protein\_znf157\_(znf157)\_mrna,\_complete\_cds\_  
u34380\_rna1\_s\_at\_u34380\_u34380,not\_in\_gb\_record,\_tec\_gene\_extracted\_fromprotein\_tyrosine\_ki  
**30** nase\_tec\_  
z35309cds\_3385-3727,ma\_for\_adenylyl\_cyclase  
all\_z79693\_2421-3018,ma\_for\_protein-tyrosine\_phosphatase\_nc-ptpcom1

#### Metagene 286

- 35** d14446\_794-1166,hfrep-1\_mrna\_for\_unknown\_protein,\_complete\_cds\_  
d21262\_3210-3663,ma\_for\_kiaa0035\_gene,\_partial\_cds\_  
d28383\_4-  
37,ma\_for\_atp\_synthase\_b\_chain,\_5'\_utr\_(sequence\_from\_the\_5'\_cap\_to\_the\_start\_codon)/gb=d

- d42063\_9590-9962,mrna\_for\_ranbp2\_(ran-binding\_protein\_2),\_complete\_cds\_  
d87453\_2046-2586,mrna\_for\_kiaa0264\_gene,\_partial\_cds\_  
hg3088-ht3263\_at\_hg3088-ht3263\_splicing\_factor\_sc35,\_alt\_splice\_form\_3\_  
l48692\_581-1067,(clone\_p5-23-3)\_mrna
- 5** m74558\_4849-5170,sil\_mrna,\_complete\_cds  
u28251exon\_1192-1642,krueppel-type\_zinc\_finger\_protein\_(znf169)\_gene,\_partial\_cds\_  
u33632\_1401-1839,two\_p-domain\_k+\_channel\_twik-1\_mrna,\_complete\_cds\_  
u41745\_296-794,pdgf\_associated\_protein\_mrna,\_complete\_cds  
u96131\_1638-
- 10** 2130,hpv16\_e1\_protein\_binding\_protein\_mrna,\_complete\_cds/gb=u96131/\_ntype=rna\_  
x82206cds\_769-1107:in\_reversesequence,\_1192-1410,mrna\_for\_alpha-centractin  
z15005cds\_7614-7968:in\_reversesequence,\_8076-8184,cenp-e\_mrna\_
- Metagene 95
- 15** d13630\_2433-2919,mrna\_for\_kiaa0005\_gene,\_complete\_cds  
d14530\_55-403,homolog\_of\_yeast\_ribosomal\_protein\_s28,\_complete\_cds\_  
d14658\_859-1285,mrna\_for\_kiaa0102\_gene,\_complete\_cds\_  
d21090\_2298-2868,mrna\_for\_xp-c\_repair\_complementing\_protein\_(p58/hhr23b),\_complete\_cds\_
- 20** d25218\_1125-1575,mrna\_for\_kiaa0112\_gene,\_partial\_cds\_  
d43948\_6033-6549,mrna\_for\_kiaa0097\_gene,\_complete\_cds  
d45248\_389-773,mrna\_for\_proteasome\_activator\_hpa28\_subunit\_beta,\_complete\_cds  
d50663\_235-625,mrna\_for\_tctel1\_gene,\_complete\_cds  
d61380\_258-762,mrna\_for\_dj-1\_protein,\_complete\_cds\_
- 25** d63480\_2623-3187,mrna\_for\_kiaa0146\_gene,\_partial\_cds\_  
d76444mrna\_2828-3362,hkf-1\_mrna,\_complete\_cds  
d80005\_4364-4862,mrna\_for\_kiaa0183\_gene,\_partial\_cds\_  
d87076\_5065-5581,mrna\_for\_kiaa0239\_gene,\_partial\_cds\_  
d87440\_3807-4245,mrna\_for\_kiaa0252\_gene,\_partial\_cds\_
- 30** d87466\_3602-4124,mrna\_for\_kiaa0276\_gene,\_partial\_cds\_  
d87470\_6278-6794,mrna\_for\_kiaa0280\_gene,\_partial\_cds\_  
d88378\_2857-3157,mrna\_for\_proteasome\_inhibitor\_hpi31\_subunit,\_complete\_cds\_  
d90086exon#10\_9-  
489:not\_in\_gb\_record,pyruvate\_dehydrogenase\_(ec\_1.2.4.1)\_beta\_subunit\_gene,\_exons\_10
- 35** j04543\_1215-1725,synexin\_mrna,\_complete\_cds  
j04615mrna\_833-1265,lupus\_autoantigen\_(small\_nuclear\_ribonucleoprotein,\_snrnp,\_sm-  
d)\_mrna,\_complete  
all\_j04982\_4001-5444,heart/skeletal\_muscle\_atp/adp\_translocator\_(ant1)\_gene,\_complete\_cds  
l06132\_1325-1721,voltage-dependent\_anion\_channel\_isoform(vdac)\_mrna,\_complete\_cds\_

- 110284\_3582-4038,integral\_membrane\_protein\_calnexin\_(ip90)\_mrna\_complete\_cds\_  
 113977\_1675-2017,prolylcarboxypeptidase\_mrna\_complete\_cds\_  
 119527\_31-415,ribosomal\_protein\_l27\_(rpl27)\_mrna\_complete\_cds  
 132977mrna\_680-1124,(clone\_fl7252)\_ubiquinol\_cytochrome\_c\_reductase\_rieske\_iron-  
 5 sulphur\_protein\_(uqc  
 all\_m12783\_3467-3780,c-sis/platelet-derived\_growth\_factor(sis/pdgf2)\_mrna\_complete\_cds\_  
 all\_m19645\_4941-5470,78\_kdalton\_glucose-regulated\_protein\_(grp78)\_gene\_complete\_cds\_  
 m21259\_at\_m21259\_m21259,not\_in\_gb\_record,alu\_repeats\_in\_the\_region\_5'\_to\_the\_small\_nuclear  
 \_ribonucle  
 10 m22760\_142-586,nuclear-  
 encoded\_mitochondrial\_cytochrome\_c\_oxidase\_va\_subunit\_mrna\_complete\_cds\_  
 m23613\_701-1217,nucleophosmin\_mrna\_complete\_cds\_  
 all\_m32405\_2395-2832:in\_m32405cds\_316-  
 347,homologue\_of\_rat\_insulinoma\_gene\_(rig)\_exons\_4-jan\_  
 15 m80335\_574-886,protein\_kinase\_a\_catalytic\_subunit\_mrna\_3'\_end  
 m86667\_1037-1517,nap\_(nucleosome\_assembly\_protein)\_mrna\_complete\_cds  
 m93036mrna\_987-1353:in\_reversesequence\_527-545,(clone\_21726)\_carcinoma-  
 associated\_antigen\_ga733-2\_  
 u07231\_2329-2647,g-rich\_sequence\_factor-1\_(grsf-1)\_mrna\_complete\_cds  
 20 u07857\_173-677,\_humankda\_alu\_rna\_binding\_protein\_mrna\_complete\_cds\_  
 u09813mrna\_225-  
 765,mitochondrial\_atp\_synthase\_subunit\_9\_p3\_gene\_copy\_mrna\_nuclear\_gene\_encoding\_m  
 u12595\_1663-  
 2083,tumor\_necrosis\_factor\_tyrosereceptor\_associated\_protein\_(trap1)\_mrna\_partial\_cds  
 25 u18062\_1678-2152,tfiid\_subunit\_tafii55\_(tafi55)\_mrna\_complete\_cds  
 u44772\_1738-2176,palmitoyl\_protein\_thioesterase\_mrna\_complete\_cds\_  
 u50733\_1132-1642,dynamitin\_mrna\_complete\_cds  
 u58089\_1599-1941,hs-cul-3\_mrna\_partial\_cds  
 u62800\_181-535,cystatin\_m\_(cst6)\_mrna\_complete\_cds  
 30 u66879\_394-928,bcl-2\_binding\_component(bbc6)\_mrna\_complete\_cds.  
 x02317cds\_251-371:in\_reversesequence\_531-831,mrna\_for\_cu/zn\_superoxide\_dismutase\_(sod)  
 all\_x52979\_759-  
 895:not\_in\_gb\_record\_smb\_protein\_gene\_extracted\_fromgene\_for\_small\_nuclear\_ribonucle  
 x56468mrna\_1303-1789,mrna\_for\_14.3.3\_protein\_a\_protein\_kinase\_regulator\_  
 35 x59417cds\_319-709:in\_reversesequence\_813-861,pros-27\_mrna  
 all\_x75252\_1083-1408,phosphatidylethanolamine\_binding\_protein\_mrna\_  
 all\_x91809\_980-1533,mrna\_for\_gaip\_protein  
 z50749cds\_689-1055:in\_reversesequence\_1088-1274,sds22-like\_mrna

## Metagene 476

- d00763\_609-1035,mrna\_for\_proteasome\_subunit\_hc9  
d14661\_1027-1579,mrna\_for\_kiaa0105\_gene,\_complete\_cds  
**5** d43949\_2627-3143,mrna\_for\_kiaa0082\_gene,\_partial\_cds\_  
d63879\_3065-3599,mrna\_for\_kiaa0156\_gene,\_complete\_cds  
d86973\_7230-7716,mrna\_for\_kiaa0219\_gene,\_partial\_cds\_  
hg2460-ht2556\_at\_hg2460-ht2556\_integrin\_beta  
hg4194-ht4464\_at\_hg4194-ht4464\_sodium/hydrogen\_exchanger  
**10** hg4716-ht5158\_at\_hg4716-ht5158\_guanosine\_5'-monophosphate\_synthase  
j02963\_641-1049,platelet\_glycoprotein\_iib\_mrna,\_3'\_end\_  
j05448\_1173-1665,rna\_polymerase\_subunit\_hrp33\_mrna  
all\_k01383\_2141-2388,metallothionein-i-a\_gene,\_complete\_coding\_sequence  
105500\_2226-2688,fetal\_brain\_adenylyl\_cyclase\_mrna,\_3'\_end\_  
**15** all\_115440\_5674-  
5845,tyrosine\_hydroxylase\_(th)\_gene,\_3'\_end;\_insulin\_(ins)\_gene,\_complete\_cds;\_insul  
138941mrna\_19-343,ribosomal\_protein\_134\_(rpl34)\_mrna,\_complete\_cds  
m18185mrna\_206-656,gastric\_inhibitory\_polypeptide\_(gip)\_mrna,\_complete\_cds\_  
m20471\_512-1066,brain-type\_clathrin\_light-chain\_a\_mrna,\_complete\_cds\_  
**20** m77232mrna\_329-773,ribosomal\_protein\_s6\_gene,\_complete\_cds\_and\_flanking\_regions\_  
u23803\_1125-1659,heterogeneous\_ribonucleoprotein\_a0\_mrna,\_complete\_cds  
u31120mrna\_802-1234:in\_reversesequence,\_5052,interleukin-13\_(il-  
13)\_precursor\_gene,\_complete\_cds\_  
u37408\_1514-2078,ctbp\_mrna,\_complete\_cds\_  
**25** u41371\_2249-2777,spliceosome\_associated\_protein\_(sap\_145)\_mrna,\_complete\_cds\_  
u68018\_1512-1890,rad\_protein\_homolog\_(hmad-2)\_mrna,\_complete\_cds\_  
u90547\_2553-2811,ro/ssa\_ribonucleoprotein\_homolog\_(roret)\_mrna,\_complete\_cds\_  
u96915\_165-693,sin3\_associated\_polypeptide\_p18\_(sap18)\_mrna,\_complete\_cds.  
x77584cds\_5-215:in\_reversesequence,\_43-481,mrna\_for\_atl-derived\_factor/thiredoxin\_  
**30** x85237cds\_1957-2311:in\_reversesequence,\_2480-2588,mrna\_for\_splicing\_factor\_sf3a120  
all\_x85373\_43-404,mrna\_for\_sm\_protein\_g  
y00764cds\_85-235:in\_reversesequence,\_331-463,mrna\_for\_mitochondrial\_hinge\_protein\_  
all\_z26634\_11848-12401,mrna\_for\_ankyrin\_b\_(440\_kda)

**35** Metagene 403

d90276\_757-1156,cgm7\_gene\_for\_nonspecific\_cross-reacting\_antigen\_(nca)\_  
m92642\_5127-5311,alpha-1\_type\_xvi\_collagen\_(coll6a1)\_mrna,\_complete\_cds\_  
u68233\_1565-2063,farnesol\_receptor\_hrr-1\_(hrr-1)\_mrna,\_complete\_cds



u90911\_1165-1549,clone\_23652\_mrna\_sequence\_  
 x61070mrna\_61-379,mrna\_for\_t\_cell\_receptor\_clone\_igra15.  
 all\_x72012\_2495-3060,end\_mrna\_for\_endoglin\_  
 y12394\_1326-1770,mrna\_for\_srp1-like\_protein

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Metagene 138

- af003743\_28-235,delayed\_rectifier\_potassium\_channel\_(kvlqt1-  
 iso5)\_mrna\_5'\_utr\_and\_partial\_cds/gb=af
- 10 d10495\_1562-2054,mrna\_for\_protein\_kinase\_c\_delta-type  
 all\_d13897\_1402-  
 1545\_peptide\_yy\_precursor\_gene\_extracted\_fromdna\_for\_peptide\_yy\_complete\_cds  
 d16583exon#12\_473-1001,gene\_for\_l-histidine\_decarboxylase\_complete\_cds  
 d17532\_3624-4104,mrna\_for\_rck\_complete\_cds
- 15 d28416\_5-  
 55,mrna\_for\_esterase\_d\_5'\_utr(sequence\_from\_the\_5'\_cap\_to\_the\_start\_codon)/gb=d28416\_nty  
 d42044\_5131-5635,mrna\_for\_kiaa0090\_gene\_partial\_cds\_  
 d42046\_3648-4077,mrna\_for\_kiaa0083\_gene\_partial\_cds\_  
 d55696\_1285-1807,mrna\_for\_cysteine\_protease\_complete\_cds
- 20 d63484\_2642-3188,mrna\_for\_kiaa0150\_gene\_partial\_cds\_  
 d83542\_2250-2808,mrna\_for\_cadherin-15\_complete\_cds  
 d83780\_3502-4060,mrna\_for\_kiaa0196\_gene\_complete\_cds  
 d83784\_5115-5445,mrna\_for\_kiaa0198\_gene\_partial\_cds\_  
 d87937\_88-
- 25 502,mrna\_for\_alpha(1,2)fucosyltransferase\_5'\_utr\_partial\_sequence/gb=d87937\_ntype=rna  
 hg1602-ht1602\_at\_hg1602-ht1602\_utrophin  
 hg2247-ht2332\_at\_hg2247-ht2332\_major\_intrinsic\_protein\_  
 hg2348-ht2444\_s\_at\_hg2348-ht2444\_peptide\_yy  
 hg2994-ht4850\_s\_at\_hg2994-ht4850\_elastin\_altsplice\_2
- 30 hg3148-ht3324\_s\_at\_hg3148-ht3324\_major\_histocompatibility\_complex\_iii\_rp1\_altsplice\_1\_  
 hg3437-ht3628\_s\_at\_hg3437-ht3628\_myelin\_proteolipid\_protein\_altsplice\_2\_  
 hg3565-ht3768\_r\_at\_hg3565-ht3768\_zinc\_finger\_protein\_  
 hg3566-ht3769\_at\_hg3566-ht3769\_zinc\_finger\_protein\_  
 hg4018-ht4288\_at\_hg4018-ht4288\_opioid-binding\_cell\_adhesion\_molecule\_
- 35 hg4264-ht4534\_s\_at\_hg4264-ht4534\_guanine\_nucleotide-binding\_protein\_rab5c-like\_protein\_  
 hg4638-ht5050\_at\_hg4638-ht5050\_spliceosomal\_protein\_sap\_49\_  
 hg4724-ht5166\_at\_hg4724-ht5166\_atp-binding\_cassette\_protein  
 hg4749-ht5197\_at\_hg4749-ht5197\_calmitine\_calcium-binding\_protein\_mitochondrial  
 hg880-ht880\_at\_hg880-ht880\_mucin\_6\_gastric

- j02871\_1475-1931,lung\_cytochrome\_p450\_(iv\_subfamily)\_bi\_protein,\_complete\_cds  
j02947mrna\_839-1349,extracellular-superoxide\_dismutase\_(sod3)\_mrna,\_complete\_cds\_  
j03241\_1918-2438,transforming\_growth\_factor-beta(tgf-beta3)\_mrna,\_complete\_cds  
122454\_2803-2944,nuclear\_respiratory\_factor-1\_(nrf-1)\_mrna,\_complete\_cds
- 5** 133799\_1065-1455,procollagen\_c-proteinase\_enhancer\_protein\_(pcolce)\_mrna,\_complete\_cds\_  
140402mrna\_593-1157,(clone\_zap2)\_mrna\_fragment  
m11749cds\_141-405:in\_reversesequence,\_1501-1747,thy-1\_glycoprotein\_gene,\_complete\_cds\_  
m13929mrna\_421-974,c-myc-p64\_mrna\_initiating\_from\_promoter\_p0\_(hlmyc2.5)\_partial\_cds\_  
m16336mrna\_923-1463,t-cell\_surface\_antigen\_cd2\_(t11)\_mrna,\_complete\_cds,\_clone\_pb1\_
- 10** m28882\_2907-3186,muc18\_glycoprotein\_mrna,\_complete\_cds\_  
m29932cds\_637-1180,beta-3-adrenergic\_receptor\_gene\_  
m31211mrna\_150-714,myosin\_light\_chainslow\_a\_(mlc1sa)\_mrna,\_complete\_cds\_  
m37238mrna\_3630-4187,phospholipase\_c\_mrna,\_complete\_cds  
m37763cds\_350-740:in\_reversesequence,\_965-989,neurotrophin-3\_(nt-3)\_gene,\_complete\_cds
- 15** m59916\_1784-2300,acid\_sphingomyelinase\_(asm)\_mrna,\_complete\_cds  
m64673\_1541-2084,heat\_shock\_factor(tcf5)\_mrna,\_complete\_cds\_  
m79463\_2979-3514,pml-2\_mrna,\_complete\_cds  
m85085\_1449-1953,cleavage\_stimulation\_factor,\_complete\_cds\_  
m93284\_879-1407,pancreatic\_lipase\_related\_protein(plrp2)\_mrna,\_complete\_cds\_
- 20** m95627mrna\_1227-1587,angio-associated\_migratory\_cell\_protein\_(aamp)\_mrna,\_complete\_cds  
s39329\_948-1368,\_glandular\_kallikrein-  
1\_{alternatively\_spliced}\_[human,\_prostate,\_mrna,\_1541\_nt]  
s83309\_1291-  
1856,\_germ\_cell\_nuclear\_factor\_[human,\_embryonal\_carcinoma\_nt2/d1,\_mrna,\_1916\_nt]
- 25** u01038\_1649-2123,plk\_mrna,\_complete\_cds  
u07664exon#2\_535-973,hb9\_homeobox\_gene\_  
u08198mrna\_313-805,complement\_c8\_gamma\_subunit\_precursor\_(c8g)\_gene,\_complete\_cds\_  
u09937mrna\_1176-1581,\_urokinase-  
type\_plasminogen\_activator\_receptor\_gene\_extracted\_fromurokinase-typ
- 30** u11877\_7-139,interleukin-  
8\_receptor\_type\_b\_(il8rb)\_mrna,\_splice\_variant\_il8rb9,\_partial\_cds/gb=u1187  
u14187\_824-962,receptor\_tyrosine\_kinase\_ligand\_lerk-3\_(eplg3)\_mrna,\_complete\_cds.  
all\_u15637\_1727-2315,cd40\_binding\_protein\_(cd40bp)\_mrna,\_complete\_cds  
u18018\_1732-2290,e1a\_enhancer\_binding\_protein\_(e1a-f)\_mrna,\_partial\_cds
- 35** u18235\_61-493,atp-binding\_cassette\_protein\_(abc2)\_mrna\_hfbcd04\_clone,\_partial\_cds  
u18300\_1231-1657,damage-  
specific\_dna\_binding\_protein\_p48\_subunit\_(ddb2)\_mrna,\_complete\_cds\_  
u19261\_1792-2320,epstein-barr\_virus-induced\_protein\_mrna,\_complete\_cds\_  
u32645\_3566-4112,myeloid\_elf-1\_like\_factor\_(mef)\_mrna,\_complete\_cds

- u38372\_13-331,huntingtin\_associated\_protein\_(hhap1)\_mrna,\_partial\_cds  
u40998\_760-1312,retinal\_protein\_(hrg4)\_mrna,\_complete\_cds  
u43965\_3313-3389,ankyrin\_g119\_(ank3)\_mrna,\_complete\_cds  
u46570\_974-1364,tetratricopeptide\_repeat\_protein\_(tpr1)\_mrna,\_complete\_cds\_
- 5** u49070\_411-951,peptidyl-  
prolyl\_isomerase\_and\_essential\_mitotic\_regulator\_(pin1)\_mrna,\_complete\_cds\_  
u50079\_1013-1569,histone\_deacetylase\_hdl\_mrna,\_complete\_cds  
u50136mrna\_106-640,leukotriene\_c4\_synthase\_(ltc4s)\_gene,\_complete\_cds\_  
u52100\_167-605,xmp\_mrna,\_complete\_cds
- 10** u56417\_1673-2063,lysophosphatidic\_acid\_acyltransferase-alpha\_mrna,\_complete\_cds  
all\_u57450\_305-546,epc-1\_gene  
u67674exon\_2279-2813,ileal\_sodium\_dependent\_bile\_acid\_transporter  
u70426\_1863-2301,a28-rgs14p\_mrna,\_complete\_cds\_  
u73377\_3059-3363,p66shc\_(shc)\_mrna,\_complete\_cds.
- 15** u76456\_587-1145,tissue\_inhibitor\_of\_metalloproteinase\_mrna,\_complete\_cds.  
u83192\_3401-3905,post-synaptic\_density\_protein\_95\_(psd95)\_mrna,\_complete\_cds\_  
u83410\_2256-2772,cu1-2\_(cu1-2)\_mrna,\_complete\_cds  
u83598\_519-  
790,death\_domain\_receptorsoluble\_form\_(ddr3)\_mrna,\_partial\_cds,death\_domain\_receptorsolub
- 20** u85611\_385-919,dna-pk\_interaction\_protein\_(kip)\_mrna,\_complete\_cds\_  
u86409cds\_61-  
523,hyaluronan\_synthase(has3)\_gene,\_partial\_cds/gb=u86409\_/ntype=dna\_/annot=cds  
u88629cds\_1508-  
1898,rna\_polymerase\_ii\_elongation\_factor\_ell2,\_complete\_cds/gb=u88629\_/ntype=dna\_/ann
- 25** u89278\_1958-2402,polyhomeotichomolog\_(hph2)\_mrna,\_complete\_cds  
u89355\_3288-3618,clone\_crt16\_creb-binding\_protein\_mrna,\_partial\_cds.  
all\_x04828\_1116-1702,mrna\_for\_g(i)\_protein\_alpha-subunit\_(adenylate\_cyclase\_inhibiting\_gtp-binding\_p  
all\_x07315\_341-864,gene\_for\_pp15\_(placental\_protein\_15)
- 30** x52192cds\_2144-2426:in\_reversesequence,\_2525-2717,rna\_for\_c-fes\_  
x52611cds\_962-1273:in\_reversesequence,\_1441-1555,mrna\_for\_transcription\_factor\_ap-2\_  
all\_x52638\_1152-1723,mrna\_for\_6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase\_(ec\_2.7.1.105,\_ec  
x59373mrna\_531-1071,hox4d\_mrna\_for\_a\_homeobox\_protein
- 35** all\_x60104\_1532-2110,mrna\_for\_zinc\_finger\_protein  
x62025mrna\_877-1180,rod\_cg-pde\_g\_gene\_for\_3',\_5'-cyclic\_nucleotide\_phosphodiesterase  
x62153cds\_1930-2398:in\_reversesequence,\_2459-2494,mrna\_for\_p1\_protein\_(p1.h)  
x63380\_1061-1613,mrna\_for\_rsrfr2\_  
all\_x65463\_1187-1734,mrna\_for\_mhc\_i\_promoter\_binding\_protein\_

- x68688mma\_111-134,znf33b\_gene  
 x70991\_1597-2089,mader\_mrna  
 all\_x74295\_178-695,mrna\_for\_alpha\_7b\_integrin  
 x77588cds\_154-679,te2\_mrna\_for\_ard-1\_n-acetyltransferase\_homologue.
- 5 x86428cds\_626-920:not\_in\_gb\_record,gene\_for\_phosphotyrosyl\_phosphatase\_activator\_(exon\_1)\_  
 x92715\_3170-3701,mrna\_for\_znf74\_protein  
 x95463cds\_793-1222,mrna\_for\_ox19\_protein\_  
 y00970cds\_756-1236:in\_reversesequence,\_1264-1312,mrna\_for\_acrosin\_(ec\_3.4.21.10)  
 y08302cds\_807-1122:in\_reversesequence,\_1385-1445,mrna\_for\_map\_kinase\_phosphatase\_4
- 10 y08836mma\_37-181,mrna\_for\_hrx-like\_protein/gb=y08836\_/ntype=rna\_  
 y09022cds\_805-1291:in\_reversesequence,\_1328-1406,mrna\_for\_not56-like\_protein  
 y11416mma\_1639-2209,mrna\_for\_p73  
 all\_z14978\_1422-1673,mrna\_for\_actin-related\_protein  
 z33905mma\_1190-1598,gene\_for\_43kd\_acetylcholine\_receptor-associated\_protein\_(rapsyn)
- 15 Metagene 99
- ac002450cds\_13-535,bac\_clone\_gs244b22\_from\_7q21-  
 q22,\_complete\_sequence/gb=ac002450\_/ntype=dna\_/annot
- 20 af006041\_300-762,fas-binding\_protein\_(daxx)\_mrna,\_partial\_cds/gb=af006041\_/ntype=rna  
 d80006\_4068-4596,mrna\_for\_kiaa0184\_gene,\_partial\_cds\_  
 d83779\_4499-4967,mrna\_for\_kiaa0195\_gene,\_complete\_cds\_  
 hg4310-ht4580\_at\_hg4310-ht4580\_cellular\_retinol\_binding\_protein\_ii\_  
 j04501\_3032-3482,muscle\_glycogen\_synthase\_mrna,\_complete\_cds\_  
 j04513mma\_6156-
- 25 6714,basic\_fibroblast\_growth\_factor\_(bfgf)\_22.5\_kd,\_21\_kd\_andkd\_protein\_mrna,\_comple  
 m16276mma\_1281-1569,mhc\_ii\_hla-dr2-dw12\_mrna\_dqwl-beta,\_complete\_cds  
 m74099\_4835-5327,displacement\_protein\_(ccaat)\_mrna\_  
 m97388\_786-1332,tata\_binding\_protein-associated\_phosphoprotein\_(dr1)\_mrna,\_complete\_cds
- 30 s77575\_11-  
 59,\_erv9\_reverse\_transcriptase\_homolog\_{clone\_rt11}\_{human,\_multiple\_sclerosis,\_brain\_plaq  
 u75679\_1214-1622,histone\_stem-loop\_binding\_protein\_(slbp)\_mrna,\_complete\_cds\_  
 u91616\_1484-1988,i\_kappa\_b\_epsilon\_(ikbe)\_mrna,\_complete\_cds\_  
 all\_x54925\_1537-1904,mrna\_for\_type\_i\_interstitial\_collagenase
- 35 all\_x73882\_2585-3120,e-map-115\_mrna

Metagene 14

d16532exon\_123-561,gene\_for\_very\_low\_density\_lipoprotein\_receptor,\_5'\_flanking\_and\_

- d49354\_769-1293,mrna\_for\_enhancer\_protein\_in\_hsp70\_gene,\_partial\_cds\_  
d79984\_5275-5836,mrna\_for\_kiaa0162\_gene,\_complete\_cds  
d79999\_4526-4922,mrna\_for\_kiaa0177\_gene,\_partial\_cds\_  
d82346\_944-1316,mrna\_for\_hnspc,\_complete\_cds\_  
**5** d83597\_2108-2612,mrna\_for\_rp105,\_complete\_cds  
d84361\_1601-2135,mrna\_for\_p52\_and\_p64\_isoforms\_of\_n-shc,\_complete\_cds  
d87435\_5153-5591,mrna\_for\_kiaa0248\_gene,\_partial\_cds\_  
d87454\_4950-5490,mrna\_for\_kiaa0265\_gene,\_partial\_cds\_  
d87455\_4996-5542,mrna\_for\_kiaa0266\_gene,\_complete\_cds  
**10** d87957cds\_549-825:in\_reversesequence,\_1148-  
1256,male\_foreskin\_fibroblast\_dna\_for\_protein\_involved\_in  
hg1699-ht1704\_s\_at\_hg1699-ht1704\_epimorphin  
hg1751-ht1768\_at\_hg1751-ht1768\_chorionic\_somatotropin\_hormone\_cs-5  
hg2228-ht2305\_at\_hg2228-ht2305\_crystallin,\_beta\_b  
**15** hg2936-ht3080\_at\_hg2936-ht3080\_immunoglobulin\_heavy\_chain,\_enhancer\_element  
hg3132-ht3308\_at\_hg3132-ht3308\_cea\_family,\_bi-like\_domain  
hg3227-ht3404\_at\_hg3227-ht3404\_guanine\_nucleotide-binding\_protein\_hsr1\_  
hg3286-ht3463\_at\_hg3286-ht3463\_crystallin,\_alpha\_a\_  
hg721-ht4828\_s\_at\_hg721-ht4828\_placental\_protein\_14,\_endometrial\_alphaglobulin,\_altsplice\_3\_  
**20** hg907-ht907\_at\_hg907-ht907\_mg44  
hg921-ht3995\_at\_hg921-ht3995\_serine/threonine\_kinase,\_receptor\_2-2,\_altsplice\_3  
all\_j00301\_342-715,parathyroid\_(pth)\_gene,\_3'\_end  
j03910mrna\_31-319,(clone\_14vs)\_metallothionein-ig\_(mtlg)\_gene,\_complete\_cds\_  
j04809mrna\_1742-2216,cytosolic\_adenylate\_kinase\_(ak1)\_gene,\_complete\_cds  
**25** i05624\_910-1418,map\_kinase\_kinase\_mrna,\_complete\_cds  
i10386\_2036-2498,transglutaminase\_e3\_(tgase3)\_mrna,\_complete\_cds  
i11238\_2922-3445,platelet\_membrane\_glycoprotein\_v\_mrna,\_complete\_cds  
i18920exon#4\_970-1461,mage-2\_gene\_exons\_1-4,\_complete\_cds  
i19267\_2335-2755,59\_protein\_mrna,\_3'\_end  
**30** l22005\_797-1349,ubiquitin\_conjugating\_enzyme\_mrna,\_partial\_cds\_  
l39874exon#5\_778-1198,deoxycytidylate\_deaminase\_gene,\_complete\_cds  
m17754\_1298-1838,bn51\_mrna,\_complete\_cds\_  
m19684cds\_912-1212:in\_reversesequence,\_3443-3539,alpha-1-antitrypsin-related\_protein\_gene\_  
m19720mrna#2\_2659-3217,\_l-myc\_gene\_(l-myc\_protein)\_extracted\_from\_l-  
**35** myc\_protein\_gene,\_complete\_cds,\_1  
m19722\_1843-2245,fgf\_proto-oncogene\_encoded\_p55-c-fgr\_protein,\_complete\_cds  
m21142cds#1\_889-1109:in\_reversesequence,\_1884-2122,\_guanine\_nucleotide-binding\_protein\_g-s-  
alpha-3\_g  
m24594mrna\_1077-1593,interferon-inducible\_56\_kd\_protein\_mrna,\_complete\_cds\_

- m25393\_1686-2253,protein\_tyrosine\_phosphatase\_(ptpase)\_mrna,\_complete\_cds  
m30607mrna\_2131-2301:in\_reversesequence,\_2607,zinc\_finger\_protein\_y-linked\_(zfy)\_mrna,\_complete\_cds\_  
m36542mrna\_1437-1832,lymphoid-specific\_transcription\_factor\_mrna,\_complete\_cds\_  
**5** m37457cds\_2823-2990,na<sup>+</sup>,k<sup>+</sup>\_#name?\_catalytic\_subunit\_alpha-iii\_isoform\_gene,na<sup>+</sup>,k<sup>+</sup>\_#name?\_catalytic\_s  
m58597\_2260-2806,elam-1\_ligand\_fucosyltransferase\_(elft)\_mrna,\_complete\_cds  
m63391mrna\_1637-2189,desmin\_gene,\_complete\_cds  
m64752\_2904-3150,glutamate\_receptor\_subunit\_(gluh1)\_mrna,\_complete\_cds\_  
**10** m67439cds\_941-1355,d5\_dopamine\_receptor\_(drd5)\_gene,\_complete\_cds  
m76665mrna\_792-1332,11-beta-hydroxysteroid\_dehydrogenase\_(hsd11)\_gene  
m77836\_1239-1749,pyrroline\_5-carboxylate\_reductase\_mrna,\_complete\_cds  
m81780cds#4\_49-265:in\_fullsequence,\_3676-3940,\_smpd1\_gene\_(acid\_sphingomyelinase)\_extracted\_fromacid  
**15** m83667mrna\_713-1143,nf- $\text{il6}$ -beta\_protein\_mrna,\_complete\_cds  
m88579\_1225-1615,zinc\_finger\_protein\_(sre-zbp)\_mrna,\_3'\_end  
m89796mrna\_3128-3671,high\_affinity\_ige\_receptor\_beta\_chain\_gene,\_complete\_cds\_  
m94065\_1051-1417,dihydroorotate\_dehydrogenase\_mrna,\_3'\_end\_  
m94856\_163-619,fatty\_acid\_binding\_protein\_homologue\_(pa-fabp)\_mrna,\_complete\_cds\_  
**20** m97796\_88-595,helix-loop-helix\_protein\_(id-2)\_mrna,\_complete\_cds\_  
m97936\_2354-2564,transcription\_factor\_isgf-3\_mrna\_sequence\_  
s45630\_108-612,\_alpha\_b-crystallin=rosenthal\_fiber\_component\_[human,\_glioma\_cell\_line,\_mrna,\_691\_nt]  
s62696\_39-  
**25** 119,\_ebv/c3d\_receptor\_{alternatively\_spliced,\_exons\_8a,9,10}\_{human,\_jurkat\_t\_cells,\_mrna\_s79639\_2588-  
3068,\_ext1=putative\_tumour\_suppressor/hereditary\_multiple\_exostoses\_candidate\_gene\_[humas82597mrna\_9-507,\_description:\_udp-galnac:polypeptide\_n-acetylgalactosaminyltransferase\_gene\_extract  
**30** u00946\_1382-1916,clone\_a9a2brb5\_(cac)n/(gtg)n\_repeat-containing\_mrna\_  
all\_u01317\_19502-63478:in\_u01317cds#1\_82-113,\_epsilon-globin\_gene\_extracted\_frombeta\_globin\_region\_o  
u05572\_2563-3028,lysosomal\_alpha-mannosidase\_(manb)\_mrna,\_complete\_cds\_  
u09366\_2042-2540,zinc\_finger\_protein\_znf133  
**35** u10689exon#3\_939-1505,mage-5a\_antigen\_(mage5a)\_gene,\_complete\_cds  
u16126\_2216-2684,glutamate/kainate\_receptor\_subunit\_(eaa4)\_mrna,\_complete\_cds  
u23435\_832-1319,abl\_interactor(abi-2)\_mrna,\_complete\_cds  
u28811\_3404-3866,cysteine-rich\_fibroblast\_growth\_factor\_receptor\_(cfr-1)\_mrna,\_complete\_cds

- u36922\_19-136:in\_reversesequence, 205-  
 220,fork\_head\_domain\_protein\_(fkhf)\_mrna, 3'\_end/gb=u36922\_/nt  
 u37055mrna\_1680-2195,hepatocyte\_growth\_factor-like\_protein\_gene,complete\_cds\_  
 u37139mrna#1\_596-998,beta\_3-endonoxin\_mrna, long\_form\_and\_short\_form,complete\_cds\_  
**5** u38175\_719-1205,hur\_rna\_binding\_protein\_(hur)\_mrna,complete\_cds\_  
 u42408\_1997-2393,ladinin\_(lad)\_mrna,complete\_cds  
 u43030\_1121-1484,cardiotrophin-1\_(ctf1)\_mrna,complete\_cds\_  
 all\_u44429\_1151-1626,d53\_(hd53)\_mrna,partial\_cds  
 u49082\_1830-2370,transporter\_protein\_(gl7)\_mrna,complete\_cds  
**10** u49188\_1187-1685,placenta\_(diff33)\_mrna,complete\_cds  
 u53442\_1615-2131,p38beta\_map\_kinase\_mrna,complete\_cds\_  
 u59111\_892-1444,dermatan\_sulfate\_proteoglycan(dspg3)\_mrna,complete\_cds\_  
 all\_u63842\_423-1018,neurogenic\_basic-helix-loop-helix\_protein\_(neurod3)\_gene,complete\_cds\_  
 u70732mrna\_1335-1899,glutamate\_pyruvate\_transaminase\_(gpt)\_gene,complete\_cds\_  
**15** u72512\_4-196,b-  
 cell\_receptor\_associated\_protein\_(hbap)\_alternatively\_spliced\_mrna,partial\_3'\_utr/gb  
 u79259\_1214-1610,clone\_23945\_mrna,complete\_cds  
 u82169\_1613-2135,frizzled\_homolog\_(fzd3)\_mrna,complete\_cds  
 u83601mrna\_58-  
**20** 136,calpastatin\_gene,exonsand\_15,partial\_cds/gb=u83601\_/ntype=dna\_/annot=mrna  
 v01514mrna\_1440-1986,mrna\_encoding\_alpha-  
 fetoprotein\_(afp)afp\_is\_a\_major\_serum\_protein\_(mg: 70000)\_s  
 x12517cds\_261-441:in\_reversesequence, 480-660,mrna\_for\_u1\_small\_nuclear\_rnp-  
 specific\_c\_protein  
**25** x15875cds\_1176-1476:in\_reversesequence, 1604-1622,mrna\_for\_camp\_response\_element\_(cre-  
 bp1)\_binding\_p  
 all\_x52889\_24339-24440,gene\_for\_cardiac\_beta\_myosin\_heavy\_chain  
 all\_x53390\_2839-3093,mrna\_for\_upstream\_binding\_factor\_(hubf)\_  
 x53795mrna\_1868-2003,r2\_mrna\_for\_an\_inducible\_membrane\_protein\_  
**30** all\_x60487\_686-948,h4/h\_gene\_for\_h4\_histone  
 all\_x63131\_1996-2179,myl1\_(pml)\_mrna  
 all\_x64037\_1887-2200,mrna\_for\_ma\_polymerase\_ii\_associated\_protein\_rap74\_  
 x72879cds\_3-52:in\_reversesequence, 76-208,14a2ak\_dna\_sequence\_  
 all\_x73874\_3675-4156,phkamrna\_  
**35** x79067utr#1\_1631-2165,erf-1\_mrna\_3'\_end  
 all\_x82434\_589-1112,mrna\_for\_emerin  
 all\_x86401\_1686-2217,mrna\_for\_l-arginine:glycine\_amidinotransferase  
 x90976\_26-185,mrna\_for\_an\_acute\_myeloid\_leukaemia\_protein\_(3917bp)\_  
 x92098cds\_368-560:in\_reversesequence, 635-737,mrna\_for\_transmembrane\_protein\_rnp24

- x92972cds\_585-885:in\_reversesequence,\_968-1148,mrna\_for\_protein\_phosphatase\_6\_  
 x93499cds\_285-591:in\_reversesequence,\_1241-1451,mrna\_for\_rab7\_protein\_  
 all\_x93920\_1520-2031,mrna\_for\_protein-tyrosine-phosphatase\_(tissue\_type:\_foreskin)\_  
 all\_x95876\_1330-1415,mrna\_for\_g-protein\_coupled\_receptor\_  
**5** x99699cds\_603-855:in\_reversesequence,\_939-1131,mrna\_for\_xiap\_associated\_factor-1  
 y08837\_275-473:not\_in\_gb\_record,mrna\_for\_rad51-like\_protein/gb=y08837\_/ntype=rna  
 y10210mrna\_55-433,mrna\_for\_cd22\_protein/gb=y10210\_/ntype=rna\_  
 z23090cds\_277-589:in\_reversesequence,\_1086-1098,mrna\_for\_28\_kda\_heat\_shock\_protein  
 all\_z35307\_2215-2636,mrna\_for\_endothelin-converting-enzyme\_1\_  
**10** z83806\_25-283,mrna\_for\_axonemal\_dynein\_heavy\_chain\_(partial,\_id\_hdhc9).
- Metagene 342
- j00139cds\_68-506,dihydrofolate\_reductase\_gene  
**15** s76942\_5-  
 311,\_dopamine\_d4\_receptor\_{exon\_1}\_[human,\_brain\_tumor\_tissue,\_mrna\_partial\_mutant,\_386\_nt  
 ]  
 u09477\_2707-3175,clone\_53bp1\_p53-binding\_protein\_mrna,\_partial\_cds\_  
 u56102\_1973-2537,adhesion\_molecule\_dnam-1\_mrna,\_complete\_cds\_  
**20** all\_x04706\_1122-1295,homeobox\_gene\_(clone\_hho.c13)\_  
 x69398cds\_898-927,mrna\_for\_oa3\_antigenic\_surface\_determinant\_  
 all\_x83301\_1254-1471,sma5\_mrna.  
 x83705mrna\_67-535,mrna\_for\_c-sis\_proto-oncogene
- 25** Metagene 122
- af000234\_1038-1578,p2x\_purinoceptor\_mrna,\_complete\_cds  
 d79989\_3469-3919,mrna\_for\_kiaa0167\_gene,\_complete\_cds  
 d87463\_2511-2997,mrna\_for\_kiaa0273\_gene,\_complete\_cds  
**30** hg1071-ht1071\_at\_hg1071-ht1071\_bone\_morphogenetic\_protein\_  
 hg2028-ht2082\_at\_hg2028-ht2082\_laminin,\_a\_polypeptide  
 hg3790-ht4060\_at\_hg3790-ht4060\_immunoglobulin\_heavy\_chain,\_fd\_fragment\_  
 hg884-ht884\_s\_at\_hg884-ht884\_oncogene\_e6-ap,\_papillomavirus  
 j04605mrna\_1389-1833,prolidase\_(imidodipeptidase)\_mrna,\_complete\_cds\_  
**35** l05425\_1712-2162,autoantigen\_mrna,\_complete\_cds\_  
 l13258\_2109-2463,renal\_na/pi-cotransporter\_mrna,\_complete\_cds\_  
 l20316\_1565-2003,glucagon\_receptor\_mrna,\_complete\_cds  
 l40387cds\_31-  
 433,thyroid\_receptor\_interactor\_(trip14)\_gene,\_3'\_end\_of\_cds/gb=l40387\_/ntype=dna\_/anno



- 140395mrna\_861-1395,(clone\_s20iii15)\_mrna\_3'\_end\_of\_cds  
 m21985\_1548-2004,steroid\_receptor\_tr2\_mrna\_complete\_cds\_  
 m24461exon#11\_528-780,pulmonary\_surfactant-associated\_protein\_sp-  
 b\_(sftp3)\_mrna\_complete\_cds
- 5** m32373mrna\_2201-2753,arylsulfatase\_b\_(asb)\_mrna\_complete\_cds  
 m33374mrna\_19-427,cell\_adhesion\_protein\_(sqm1)\_mrna\_complete\_cds  
 m34667\_3969-4305,phospholipase\_c-gamma\_mrna\_complete\_cds  
 m35416mrna\_864-1302,gtp-binding\_protein\_(ralb)\_mrna\_complete\_cds  
 m62958\_2486-2942,retinal\_degradation\_slow\_(rds)\_mrna\_
- 10** m64497\_1307-1559,apolipoprotein\_ai\_regulatory\_protein\_(arp-1)\_mrna\_complete\_cds\_  
 m65214\_492-997,(hela)\_helix-loop-helix\_protein\_he47\_(e2a)\_mrna\_3'\_end\_  
 m76125\_2612-3170,tyrosine\_kinase\_receptor\_(axl)\_mrna\_complete\_cds\_  
 m77144mrna\_1332-1630,\_3-beta-hydroxysteroid\_dehydrogenase\_gene\_extracted\_fromtype\_ii\_3-  
 beta\_hydroxys
- 15** m91463mrna\_2634-3168,glucose\_transporter\_(glut4)\_gene\_complete\_cds\_  
 s69189\_2575-3007,\_peroxisomal\_acyl-coenzyme\_a\_oxidase\_[human,liver,mrna\_3086\_nt]  
 s76965\_1718-2066,\_protein\_kinase\_inhibitor\_[human,neuroblastoma\_cell\_line\_sh-sy-  
 5y,mrna\_2147\_nt]  
 s77361\_25-
- 20** 184,\_transcript\_ch132\_[human,rfl,rf48\_stomach\_cancer\_cell\_lines,mrna\_216\_nt]/gb=s77361\_  
 u04840\_3088-3646,onconeural\_ventral\_antigen-1\_(nova-1)\_mrna\_complete\_cds  
 u09414\_1994-2462,zinc\_finger\_protein\_znf137\_mrna\_complete\_cds\_  
 u16282\_2336-2744,ell\_mrna\_complete\_cds  
 u17163\_1086-1644,transcription\_factor\_etv1\_mrna\_complete\_cds
- 25** u21551\_728-1076,eca39\_mrna\_complete\_cds/gb=u21551/\_ntype=rna  
 u28749\_3491-4033,high-mobility\_group\_phosphoprotein\_isoform\_i-  
 c\_(hmgic)\_mrna\_complete\_cds\_  
 u32519\_1294-1708,gap\_sh3\_binding\_protein\_mrna\_complete\_cds  
 u60060\_1090-1540,fez1\_mrna\_complete\_cds\_
- 30** u64520\_308-650,synaptobrevin-3\_mrna\_complete\_cds  
 u87459\_331-703,autoimmunogenic\_cancer/testis\_antigen\_ny-eso-1\_mrna\_complete\_cds\_  
 u93553\_1729-2251,alpha1-fetoprotein\_transcription\_factor\_(hftf)\_mrna\_complete\_cds.  
 x15376mrna\_1216-1684,mrna\_for\_gaba-a\_receptor\_gamma\_subunit\_  
 all\_x51405\_1974-2413,mrna\_for\_carboxypeptidase\_e\_(ec\_3.4.17.10)
- 35** all\_x51435\_8408-8982,prdii-bf1\_gene\_for\_a\_dna-binding\_protein  
 x56411mrna\_1990-2470,adh4\_gene\_for\_ii\_alcohol\_dehydrogenase\_(pi\_subunit),\_exon\_1  
 x56465cds\_1607-2069:in\_reversesequence,\_3400,znf6\_mrna\_for\_zinc\_finger\_transcription\_factor\_  
 x59065exon\_2834-3254,fgf\_gene,\_exon\_3  
 all\_x63097\_2195-2670,mrna\_for\_rhesus\_polypeptide\_(rhxihi)

all\_x64624\_2881-3429,mrna\_for\_rdc-1\_pou\_domain\_containing\_protein  
 y10659cds\_1011-1239:in\_reversesequence,\_1342-1552,il-13ra\_mrna  
 all\_z18956\_3398-3951,mrna\_for\_taurine\_transporter

## 5 Metagene 31

d26155\_4647-5214,mrna\_for\_transcriptional\_activator\_hsnf2a,\_complete\_cds\_  
 hg3412-ht3593\_s\_at\_hg3412-ht3593\_blue\_cone\_photoreceptor\_pigment\_  
 j02758exon#3\_568-980:in\_reversesequence,\_3307-3464,apolipoprotein\_a-iv\_gene,\_complete\_cds\_  
 10 m13982mrna\_7-508,interleukin(il-4)\_mrna,\_complete\_cds\_  
 m26901cds\_808-1187:in\_reversesequence,\_218-293,renin\_gene\_  
 u03056\_1988-2468,tumor\_suppressor\_(luca-1)\_mrna,\_complete\_cds  
 u16120\_2267-2833,placental\_taurine\_transporter\_mrna,\_complete\_cds  
 x68285cds\_886-976,mrna\_for\_glycerol\_kinase\_

## 15

### Metagene 475

d31889\_2835-3279,mrna\_for\_kiaa0072\_gene,\_partial\_cds\_  
 d82326\_2784-3312,mrna\_for\_na+-  
 20 independent\_neutral\_and\_basic\_amino\_acid\_transporter,\_complete\_cds\_  
 d82347\_1949-2459,mrna\_for\_neurod,\_complete\_cds\_  
 all\_j03756\_527-783,growth\_hormone-variant\_(gh1)\_and\_growth\_hormone-variant-  
 2\_(gh2)\_mrna,\_complete\_cd  
 l25270\_5352-5856,xel69\_mrna,\_complete\_cds  
 25 all\_m13934\_834-  
 1309\_rps14\_gene\_(unknown\_protein)\_extracted\_fromribosomal\_protein\_s14\_gene,\_complete  
 all\_m16405\_1994-2553,m4\_muscarinic\_acetylcholine\_receptor\_gene\_  
 all\_m20543\_2890-3542,skeletal\_alpha-actin\_gene,\_complete\_cds\_  
 m90359\_2039-2519,camp-dependent\_protein\_kinase\_(akap\_79)\_mrna,\_complete\_cds\_  
 30 s81893\_13-  
 331\_mesi3/15=extracellular\_matrix\_induced\_gene\_[human\_endometrial\_adenocarcinoma\_cells\_h  
 u03851\_1800-2220,capping\_protein\_alpha\_mrna,\_partial\_cds\_  
 u30998\_43-166,(nmd)\_mrna,\_3'\_utr/gb=u30998\_/ntype=rna  
 u90910\_1208-1724,clone\_23564\_mrna\_sequence\_  
 35 x00129cds\_332-566:in\_reversesequence,\_671-851,mrna\_for\_retinol\_binding\_protein\_(rbp)  
 x99101cds\_1121-1409:in\_reversesequence,\_1439-1535,mrna\_for\_estrogen\_receptor  
 all\_y09858\_1990-2483,mrna\_for\_unknown\_protein  
 y12856\_182-668,mrna\_for\_amp-activated\_protein\_kinase\_alpha-1,\_partial/gb=y12856\_/ntype=rna\_

## Metagene 436

- d31884\_2579-3023,mrna\_for\_kiaa0063\_gene,\_complete\_cds  
d63998\_3542-4046,mrna\_for\_golgi\_alpha-mannosidaseii,\_complete\_cds
- 5** 113740\_2002-2047,tr3\_orphan\_receptor\_mrna,\_complete\_cds  
113852\_2790-3270,ubiquitin-activating\_enzyme\_e1\_related\_protein\_mrna,\_complete\_cds  
113972\_1930-2224,beta-galactoside\_alpha-2,3-sialyltransferase\_(sialt4a)\_mrna,\_complete\_cds  
135475cds\_642-888:in\_reversesequence,\_1441-1675,olfactory\_receptor-like\_gene,\_complete\_cds  
140366mrna\_31-223,thyroid\_receptor\_interactor\_(trip2)\_mrna,\_partial\_cds/gb=140366/\_ntype=rna
- 10** m18391\_2780-3147,tyrosine\_kinase\_receptor\_(eph)\_mrna,\_complete\_cds  
m27826mrna\_464-1025,endogenous\_retroviral\_protease\_mrna,\_complete\_cds  
m31165mrna\_843-1353,tumor\_necrosis\_factor-inducible\_(tsg-6)\_mrna\_fragment,\_adhesion\_receptor\_cd44\_pu  
m59371mrna\_3386-3878,protein\_tyrosine\_kinase\_mrna,\_complete\_cds
- 15** m83308\_31-343,mitochondrial\_cytochrome-c\_oxidase\_subunit\_via\_(cox6a)\_mrna,\_complete\_cds  
s80335\_2197-2719,\_integrin\_betasubunit\_[human,\_mrna,\_2798\_nt]  
s82024\_20-548,\_scg10=neuron-specific\_growth-associated\_protein/stathmin\_homolog\_[human,\_embryo,\_mrna  
all\_s83366\_910-
- 20** 2840,\_region\_centromeric\_to\_t(12;17)\_breakpoint:\_orf1/unknown\_43\_amino\_acid\_transcrip  
u15172\_619-967,nip1\_(nip1)\_mrna,\_complete\_cds  
u56998\_1628-2048,putative\_serine/threonine\_protein\_kinase\_prk\_(prk)\_mrna,\_complete\_cds  
u89336exon#30-33\_48-  
208:in\_reversesequence,\_22261:not\_in\_gb\_record,\_unknown\_gene\_extracted\_fromhla\_i
- 25** all\_x51602\_7115-7680,flt\_mrna\_for\_receptor-related\_tyrosine\_kinase\_  
all\_x52005\_476-969,skeletal\_embryonic\_myosin\_light\_chain(mlc1)\_mrna\_  
x62535mrna\_1975-2515,mrna\_for\_diacylglycerol\_kinase  
all\_x89985\_1010-1389,mrna\_for\_bcl7b\_protein  
x90761mrna\_1365-1683,hha2\_gene\_
- 30** all\_x92762\_1360-1883,mrna\_for\_tafazzins\_protein

## Metagene 310

- hg3319-ht3496\_s\_at\_hg3319-ht3496\_split\_geneenhancer,\_tup1-like
- 35** hg4480-ht4833\_at\_hg4480-ht4833\_collagen\_type\_vi\_alpha\_2\_n-terminal\_domain\_  
132163\_1998-2380,zinc\_finger\_protein\_mrna,\_3'\_end\_  
134219exon#7\_26-452:not\_in\_gb\_record,retinaldehyde-binding\_protein\_(cralbp)\_gene,\_complete\_cds\_

- m34181\_2356-2872,testis-specific\_camp-dependent\_protein\_kinase\_catalytic\_subunit\_(c-beta\_isoform)\_mr  
u17195\_1567-2143,a-kinase\_anchor\_protein\_(akap100)\_mrna,\_complete\_cds  
u20647\_232-736,zinc\_finger\_protein\_(znf151)\_mrna,\_partial\_cds  
**5** u22815\_3771-3923,lar-interacting\_protein\_1a\_mrna,\_complete\_cds\_  
u25265\_1758-2052,mek5\_mrna,\_complete\_cds\_  
all\_u48405\_1076-1650,g\_protein\_coupled\_receptor\_ogr1\_gene,\_complete\_cds  
u48730\_2629-2690,transcription\_factor\_stat5b\_(stat5b)\_mrna,\_complete\_cds.  
u79280\_795-1359,clone\_23575\_mrna,\_partial\_cds  
**10** u82320\_546-1050,unknown\_protein\_mrna,\_partial\_cds/gb=u82320\_/ntype=ma\_  
u89717\_635-1151,9-cis-retinol\_specific\_dehydrogenase\_mrna,\_complete\_cds  
u89896\_1184-1688,casein\_kinase\_i\_gammamrna,\_complete\_cds  
x56654mrna\_3221-3641,dsg1\_mrna\_for\_desmoglein\_type\_1\_  
all\_x96849\_49-323,5'\_mma\_of\_pecam-1\_molecule/gb=x96849\_/ntype=rna\_  
**15**  
Metagene 159  
  
d78514cds\_73-409:in\_reversesequence,\_511-565,mrna\_for\_ubiquitin-conjugating\_enzyme,\_complete\_cds  
**20** m30448mrna\_1936-2447,casein\_kinase\_ii\_beta\_subunit\_mrna,\_complete\_cds  
all\_x74794\_2662-2906,p1-cdc21\_mrna\_  
  
Metagene 91  
  
**25** d50402\_1972-2533,mrna\_for\_nramp1,\_complete\_cds\_  
d64159\_2585-2828,mrna  
m98399\_1688-2165,antigen\_cd36\_(clone\_21)\_mrna,\_complete\_cds  
u29343\_2203-2731,hyaluronan\_receptor\_(rhamm)\_mrna,\_complete\_cds  
u52960\_186-630,rna\_polymerase\_ii\_complex\_component\_srb7\_mrna,\_complete\_cds\_  
**30** all\_x82835\_5995-6350,mrna\_for\_voltage-activated\_sodium\_channel\_  
  
Metagene 81  
  
d78335\_242-770,mrna\_for\_5'-terminal\_region\_of\_umk,\_complete\_cds\_  
**35** hg2724-ht2820\_at\_hg2724-ht2820\_oncogene\_tls/chop\_fusion\_activated\_  
109234\_2517-3075,vacuolar\_atpase\_(isoform\_ho68)\_mrna,\_complete\_cds\_  
all\_x02751\_1835-2430,n-ras\_mrna\_and\_flanking\_regions\_  
  
Metagene 394

- d38537\_1174-1689,mrna\_for\_protoporphyrinogen\_oxidase,\_complete\_cds.  
d50692\_31-469,mrna\_for\_c-myc\_binding\_protein,\_complete\_cds\_  
d86062\_286-862,mrna\_for\_knp-ib,\_complete\_cds\_  
**5** 107548\_886-1390,aminoacylase-1\_(acyl1)\_mrna,\_complete\_cds\_  
148546exon#1-4\_54-264:not\_in\_gb\_record,tuberin\_(tsc2)\_gene\_  
176517\_2497-2977,(clone\_cc44)\_senilin(ps1;s182)\_mrna,\_complete\_cds  
u79252\_1026-1530,clone\_23679\_mrna,\_complete\_cds  
u80040\_2167-2647,nuclear\_aconitase\_mrna,\_encoding\_mitochondrial\_protein,\_complete\_cds  
**10** x12492cds\_1087-1474:in\_reversesequence,\_1544-1718,mrna\_for\_caat-  
box\_binding\_transcription\_factor\_ctf  
x57398mrna\_3503-4007,mrna\_for\_pm5\_protein  
all\_x59766\_583-1166,mrna\_for\_zn-alpha2-glycoprotein  
all\_x77794\_1678-2171,mrna\_for\_cyclin\_g1  
**15** all\_z31695\_2159-2592,mrna\_for\_43\_kda\_inositol\_polyphosphate\_5-phosphatase
- Metagene 231
- k02215mrna#2\_1510-2026,angiotensinogen\_mrna,\_complete\_cds  
**20** 138969cds\_2517-2835:in\_reversesequence,\_2946-2964,thrombospondin(thbs3)\_gene,\_complete\_cds  
all\_u33838\_62-95,nf-kappa-  
b\_p65delta3\_mrna,\_spliced\_transcript\_lacking\_exonsand\_7,\_partial\_cds/gb=u3  
u79241\_849-1347,clone\_23759\_mrna,\_partial\_cds
- 25** Metagene 468
- 107594\_3847-4159,transforming\_growth\_factor-beta\_type\_iii\_receptor\_(tgf-  
beta)\_mrna,\_complete\_cds\_  
all\_u18422\_1719-2254,dp2\_(humdp2)\_mrna,\_complete\_cds\_  
**30** Metagene 292
- l20814\_2826-3306,glutamate\_receptor(hbgr2)\_mrna,\_complete\_cds\_  
u79260\_1035-1341,clone\_23745\_mrna,\_complete\_cds  
**35** Metagene 40
- d49487\_32-512,mrna\_for\_obese\_gene,\_complete\_cds  
hg2148-ht2218\_f\_at\_hg2148-ht2218\_mucin\_3,\_intestinal\_

- hg2239-ht2324\_r\_at\_hg2239-ht2324\_potassium\_channel\_protein\_  
hg3725-ht3981\_s\_at\_hg3725-ht3981\_insulin-like\_leydig\_hormone\_  
hg406-ht406\_at\_hg406-ht406\_p97\_antigen,\_melanoma-specific  
hg4113-ht4383\_s\_at\_hg4113-ht4383\_olfactory\_receptor\_or17-201\_
- 5** hg4593-ht4998\_at\_hg4593-ht4998\_sodium\_channel\_  
hg960-ht960\_at\_hg960-ht960\_guanine\_nucleotide\_exchange\_factor\_  
k03498cds#1\_2-163,\_pol\_protein\_fromendogenous\_retrovirus\_herv-  
k22\_pol\_and\_envelope\_orf\_region/gb=k03  
l10615mrna\_502-528,beta\_casein\_(csn2)\_gene,\_complete\_cds
- 10** l38490mrna\_785-1319,adp-ribosylation\_factor\_mrna,\_complete\_cds  
all\_m13485\_188-243:in\_m13485cds\_47:not\_in\_gb\_record,metallothionein\_i-b\_gene\_  
all\_m55418\_2452-2650,amelogenin\_(amelx)\_gene,\_3'\_end\_of\_cds  
m84820\_1155-1709,retinoid\_x\_receptor\_beta\_(rxr-beta)\_mrna,\_complete\_cds  
all\_m86406\_3670-4169,skeletal\_muscle\_alphaactinin\_(actn20\_mrna,\_complete\_cds\_
- 15** m92424\_1822-2209,p53-associated\_mrna,\_complete\_cds\_  
s57212\_1561-2027,\_hmf2c=myocyte\_enhancer-  
binding\_factor[human,\_skeletal\_muscles,\_mrna,\_2161\_nt]\_  
s72493\_617-  
819,\_keratin=keratinhomolog\_[human,\_tracheobronchial\_epithelial\_cells,\_mrna\_partial,\_976\_
- 20** s77893\_121-203,\_gpsat=glycophorin\_sat\_[human,\_peripheral\_bloods,\_mrna\_partial,\_407\_nt]  
all\_s78653\_1782-2347,\_mrg=mas-related\_[human,\_genomic,\_2416\_nt]\_  
u14577\_974-1504,microtubule-associated\_protein\_1a\_(map1a)\_mrna,\_complete\_cds\_  
u16296\_4938-5478,t-  
lymphoma\_invasion\_and\_metastasis\_inducing\_tiam1\_protein\_(tiam1)\_mrna,\_complete\_cd
- 25** u23852\_1523-2066,t-  
lymphocyte\_specific\_protein\_tyrosine\_kinase\_p56lck\_(lck)\_abberant\_mrna,\_complete\_  
all\_u28055\_2678-3165,hepatocyte\_growth\_factor-  
like\_protein\_homolog\_(dlf15s1a)\_mrna,\_partial\_cds  
u40002\_3192-3701,hormone-sensitive\_lipase\_testicular\_isoform\_mrna,\_complete\_cds
- 30** u48865cds\_400-807:in\_reversesequence,\_3499,c/ebp\_epsilon\_(cebpe)\_gene,\_complete\_cds\_  
u52077cds\_428-  
982,mariner1\_transposase\_gene,\_complete\_consensus\_sequence/gb=u52077\_/ntype=dna\_/annot  
u57971\_3646-4130,calcium\_atpase\_isoform\_3x/a\_mrna,\_complete\_cds  
u59058\_8-508,beta-a3/a1\_crystallin\_(cyrba3/a1)\_mrna,\_partial\_cds\_
- 35** u74667\_1599-2067,tat\_interactive\_protein\_(tip60)\_mrna,\_complete\_cds  
u79275\_509-989,clone\_23947\_mrna,\_partial\_cds.  
u80226\_1440-1476,gamma-  
aminobutyric\_acid\_transaminase\_mrna,\_partial\_cds/gb=u80226\_/ntype=rna\_  
u82467\_2667-3213,tub\_homolog\_(tub)\_mrna,\_complete\_cds